

# AMBA

MARKETING (UK) LTD

2014 Product range

# Welcome to the 2014 Amba Marketing Catalogue

The last few years have seen many changes for us all with healthy life styles being promoted along side recommendations for enjoying quality family time. Walking, running and cycling are all ways that you can get fit whilst enjoying time with your children without spending a fortune. At Amba we are very proud to offer a range of brands that offer high quality yet cost justifiable and affordable products which will provide you with a first class, well designed range of products to enjoy day to day whether it's for utility or leisure purposes.

Our brands are very much family, commuting and touring orientated. Whether you are looking for a multifunctional child trailer for daily use, a lighting solution for commuting or a lovely rattan bicycle basket we have some excellent solutions for you. For full details please see our website.

We are very excited to announce the addition of two new American brands to our range. Firstly we have the wonderful innovative Weehoo i-Go trailers which actively allow your children to participate in pedalling whilst riding with you. There are single and double models available plus the Venture model which has the capacity for one child plus cargo. Any Weehoo can be converted purely to a cargo trailer once your children have outgrown it, thus extending the usable lifetime of this versatile trailer. Secondly, by popular demand we are very pleased to offer a super range of wicker and rattan baskets from Nantucket which are great for your bicycle as well as a multitude of other uses around the home. The baskets are hand woven by skilled craftsmen to be beautiful and functional.

Our existing suppliers have been busy designing new products as well. Busch & Müller have launched their LUXOS front dynamo lights with their innovative IQ2 technology and also Licht24 – daytime running lights which are available in a number of models across the range. The new USB-WERK complements the very successful bike mobile E-WERK charger for electronic devices such as mobile phones, GPS etc. Supernova have launched their Infinity S dynamo to much acclaim and improved their already superb front and rear dynamo lights. Croozer have launched their new suspension child trailers - Kid PLUS and upgraded their very popular standard non suspension Kid trailers with some stylish enhancements. This makes them even more user friendly and safety conscious than ever before.

It is always important for us all to make good buying decisions. At Amba we pride ourselves on providing quality products with the back up of a first class service. You can call us if you have a question or to ask for our recommendations. We use many of the products that you can source via Amba in our day to day lives. The advice we provide is not only from our technical understanding but also from our personal experience.

## Where to buy Amba products.....

We are working with an ever growing network of quality retailers across the country with the concept that you the consumer who is our ultimate customer can get good quality, practical and accessible advice without having to travel too far. We also work with some excellent online retailers if you prefer to do your research and ordering via the internet. To find your local store or choose an online retailer please refer to our 'dealers' section on the Amba website and simply put in your post code. Of course you are very welcome to call us for advice or you can visit our online site [www.action-kids.com](http://www.action-kids.com) and order direct from us.

Why not 'try before you buy' with our child trailers from Croozer and Weehoo. Working in conjunction with some key retailers we can offer you the opportunity to discover just how easy it is to tow a trailer and how much it can enhance a family day out. You can try out a demo model at the shop or rent or borrow one from the retailer. See our list of demo centres on the Amba website. Please contact your local demo centre for their terms and conditions and to pre book.

## Our Portfolio

This catalogue contains information on many but not all of our products. The Amba range is evolving all of the time so the catalogue will be out of date as soon as we go to print! Please therefore use it as a start for your exploration of the Amba range and then refer to the website for further and updated information. We hope that you enjoy perusing the details enclosed. Please give us a call or send an email if we can be of further assistance.




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# Croozer Kid

Croozer offers excellent quality, intelligent transportation solutions for anyone who enjoys being out and about with their family - by bicycle, walking or strolling. The affordable multifunctional Croozer child transportation system focuses on safety, usability and clean functionality; with cleverly thought out design in every detail. New for 2014 is the Kid Plus range with a state of the art Sylomer® suspension system which offers the smoothest of rides, enhanced seating area and easy to use parking brake.

The Croozer flexibility makes travelling easy for you. Supplied with three kits you don't have to decide today what you will need tomorrow. It's quick and easy to change from bike trailer, to stroller to buggy mode with easy practical storage of the kits on the trailer itself. Croozer Kid is designed for multifunctional use day in day out. Croozer allows you to go to the nursery, the park, the shops, to get fit walking fast or to take a lovely bike ride with the family. Such versatility and flexibility is great. For 2014 the new easy to operate parking brake is great and for the children there are bigger windows, more visibility and a more spacious feel. The robust frame comes with a ten year warranty.

The Croozer Kid range is designed in Germany with passion, enthusiasm, dedication to quality and attention to detail. Croozer believes that good ideas for having a lovely time with the children does not need to cost a fortune; therefore a Croozer isn't full of worthless gadgets it's just elegantly designed with primary attention being given to clean functionality and safety for the children.

Croozer Kid comes as a single or a double seater to suit family requirements. These questions may help you consider which model you need:

**Q** How many children do you have or may have?

**A** This will impact on your choice to have a single or a double model

**Q** Do you need space for a friend's child or teddy?

**A** Again this will impact on your choice to have a single or a double model

**Q** Do you need a baby sling or seat supporter?

**A** For babies approx 0 – 10 months a sling is required and for 10 – 18 months the seat supporter

**Q** Will the trailer fit in my car?

**A** This depends on the model ordered and the car – the answer is usually yes!

**Q** Is the trailer easy to fold when not in use?

**A** Yes!

**Q** Do I want a model with or without suspension?

**A** This depends on how you plan to use your Croozer and the terrain you will be travelling over



# Croozor Kid - 3 in 1 Options



Both the standard and PLUS models are offered as 3 in 1 carriers. Many parents find that the Croozor Kid offers such versatility for different styles of trips that they do not need any other prams, buggies or strollers. Croozor is practical, easy to use and you do not need half the garage dedicated to lots of different transport options for your children!

For 2014 Croozor have made some improvements to make handling even easier. There is quicker change over from kit to kit and an innovative quick fold system. It's easy to store the Croozor when not in use thanks to its compact dimensions when folded down. The coupling can be left on the bicycle frame even when the trailer is not in use. The height of the handle can be adjusted by turning it over. There's also an easy to operate parking brake that engages both wheels.

You will be amazed by how much space the Croozor Kid offers. Both for the passengers and for those essential items – bucket and spades for the beach, drinks holders, luxury teddy transportation and space for a change of clothes and nappies etc. There's even space for some shopping! Each child has their own seat in the Croozor. This is very important if the children are of different heights and or weights. Each individual seat offers lower back and bottom support from both sides whether your child is awake or asleep.

**Included in the package are:**

- Hitch and hitch arm for bicycle mode
- Handlebar
- Safety flag
- Buggy wheel for buggy mode
- Large front wheel with wheel arms for stroller mode
- Large rear wheels on the body of the trailer

**Plus**

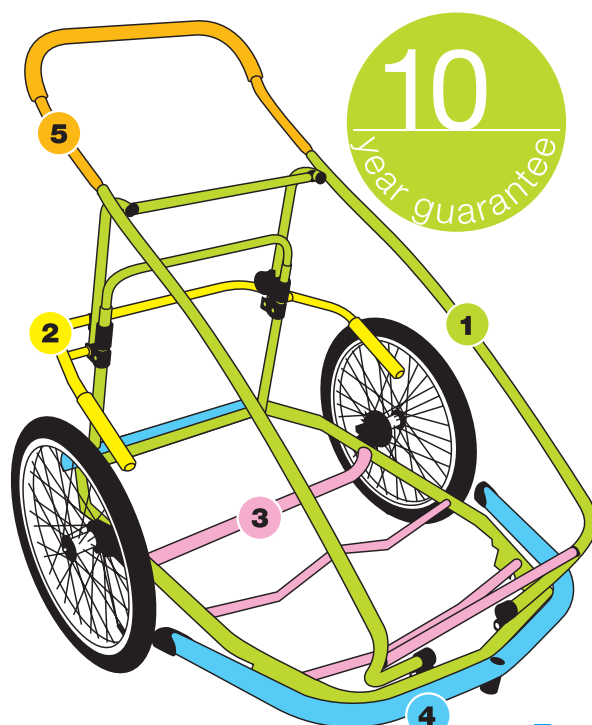
- The 2 in 1 cover for insect and weather protection
- Large windows for better views
- Flexible tow arm for easy manoeuvring
- In the Kid For 2 the seats are separate for each child
- Inner pockets on side for drinks and or small soft toy!

## Croozor Protection

The bumper protects your Croozor from damage if you underestimate the width of your bicycle trailer including accidental rear end and side on contact. The tubular frame structure creates a robust protective space for your child. The internal frame provides additional protection for your child on either side and from the rear. The cross tubing ensures additional rigidity. The handlebar also acts as a roll over protective structure.

This means that all Croozors are supplied with a ten year warranty on the frame.

- The tubular frame construction of the passenger compartment is extremely robust **1**
- The internal frame provides additional protection for your child on either side and in the rear area **2**
- Cross tubing ensures additional rigidity **3**
- The bumpers provide protection against accidental rear end and side on contact **4**
- The handlebar also acts as a roll over protective structure **5**
- Croozor Kid is supplied with a 10 year warranty on the frame





# Croozers Kid1 & Kid2 PLUS

The engineering team at Croozer have worked with a range of experts in light weight construction, chassis tuning, human vibration and elastomeric foams to produce a suspension system for the Croozer Kid PLUS which is as effective for a single baby (10kg) as it is for two six year olds (45kg in the double Kid PLUS), without requiring any additional adjustments to allow for the difference in weight of the passengers.

The Croozer Kid PLUS chassis is fitted suspension providing 45mm of travel. This generous amount of travel ensures total comfort. The Sylomer® spring elements always retain dimensional stability and are not adversely affected by overloading of short duration, even when this is extremely excessive. They are also not affected by the weather, will not wear and do not contain any toxic substances. Best of all no maintenance or servicing is required!

Sylomer® not only has excellent suspension characteristics, it also has a range of outstanding properties. For example running over a stretch of uneven ground will not cause the bicycle trailer to vibrate, instead the built in attenuation causes it to settle immediately into its original position. This enhances the comfort of your child and improves the road holding characteristics of the Croozer PLUS.

## How does Sylomer® work?

The special material property of the Sylomer® suspension and damping elements is the manner in which their suspension behaviour progresses as the load is increased. When the trailer is lightly laden the Sylomer® spring element is soft and responds sensitively. When the trailer is fully laden the performance part compresses, becoming harder as a result. Even in the case of overloading the Sylomer® spring element retains its dimensional stability and elasticity. Bottoming out of the suspension cannot happen. Weight related adjustment is not needed as the hardness of the Sylomer® spring element adjusts of its own accord to the load in question

## Croozer Kid 1 & Kid 2 PLUS

CTS202 Kid For 1 – Sky Blue & Brown  
CTS203 Kid For 2 – Sky Blue & Brown



Kid 2 Plus Front View

Kid 2 Plus In Bike Mode

Kid 2 Plus Folded

Kid 1 Plus In Buggy Mode

Kid 1 Plus In Stroller Mode

## Croozer Kid Plus Specification

| Specification                                      | Croozer Kid for 1 PLUS | Croozer Kid for 2 PLUS |
|--|------------------------|------------------------|
| Version  | Single seater          | Two seater             |
| Maximum shoulder width                             | 60cm                   | 70cm                   |
| Leg room   | 58cm                   | 58cm                   |
| Headroom (seat centre to upper frame)              | 65cm                   | 65cm                   |
| L x W x H (excluding handlebar)                    | 113 x 69 x 87cm        | 113 x 90 x 87cm        |
| L x W x H (folded, excluding handlebar and wheels) | 104.5 x 69 x 27.5cm    | 104.5 x 86.5 x 27.5cm  |
| Maximum handlebar height                           | 112cm                  | 112cm                  |
| Minimum handlebar height                           | 100cm                  | 100cm                  |
| Weight (base with handle)                          | 11.4kg                 | 13.4kg                 |
| Maximum cargo load                                 | 30kg                   | 45kg                   |
| Wheels   | 20" spoked wheels      | 20" spoked wheels      |
| Colour   | Sky Blue/Brown         | Sky Blue /Brown        |

Note Croozer PLUS trailers have suspension

# Croozor Kid1 & Kid2 Standard

Kid 1  
Standard In  
Bike Mode



Kid 2 Standard Folded



Kid 2 Standard In  
Buggy Mode



## Croozor Kid Standard Specification

| Specification                                      | Croozor Kid for 1 Standard | Croozor Kid for 2 Standard |
|--|----------------------------|----------------------------|
| Version  | Single seater              | Two seater                 |
| Maximum shoulder width                             | 55cm                       | 70cm                       |
| Leg room   | 58cm                       | 58cm                       |
| Headroom (seat centre to upper frame)              | 65cm                       | 65cm                       |
| L x W x H (excluding handlebar)                    | 113 x 69 x 84cm            | 113 x 90 x 84cm            |
| L x W x H (folded, excluding handlebar and wheels) | 104.5 x 69 x 27.5cm        | 104.5 x 86.5 x 27.5cm      |
| Maximum handlebar height                           | 107cm                      | 107cm                      |
| Minimum handlebar height                           | 95cm                       | 95cm                       |
| Weight (base with handle)                          | 12.1kg                     | 13.9kg                     |
| Maximum cargo load                                 | 30kg                       | 45kg                       |
| Wheels   | 20" spoked wheels          | 20" spoked wheels          |
| Colour   | Peppermint Green / Grey    | Peppermint Green / Grey    |

Note Croozor Standard trailers do not have suspension

## Croozor Kid 1 & Kid 2 Standard

CTS212 – Kid For 1 Peppermint Green & Grey  
CTS201 – Kid For 2 Peppermint Green & Grey

Kid 2 Standard In  
Stroller Mode



## Croozor Kids are great even for tiny babies

We are often asked how old does baby have to be to enjoy their Croozor Kid. Of course this depends on the baby's physical development as well as which mode the Croozor Kid is being used in. Here is an indication. There are more details on our website.

### Baby on the road

In most cases the baby can be taken out and about from just a few weeks after birth. Croozor offers a range of seating systems as well as accessories ranging from winter bunting bags to sun covers!

### For babies up to ten months

Is your baby still at the stage where it has to lie on its back, but still wants to be able to look out and about? If so the Croozor baby sling is the answer.

- The bungee system tensions the backrest to give full support to your baby in a seated/lying position
- The strap reinforced side walls ensure your baby is supported and protected
- The Croozor can be easily folded with the baby sling in situ
- The Croozor baby sling is as comfortable as a hammock and as safe as a car seat

### For toddlers ten to eighteen months

If your child is still at the pre toddler stage, but already able to sit up by itself then the Croozor padded baby seat supporter provides additional support.

- The padded head rest support the nape of the neck
- The lower back support supports the spine – at this age the muscles still tend to be underdeveloped





# Croozr Kid Accessories

Croozr offer a range of complimentary accessories designed to enhance the Kid trailer. A sling is needed for babies up to ten months and the seat supporter for babies ten – eighteen months. These must be used during bike mode and are strongly recommended for stroller or buggy mode. The trailer can be folded away with them in situ. For further details please contact us.



## Integral Baby Sling – For Standard models

*CTS160A*

This purpose built sling is for 2010 onwards models within the Croozr Kid range.

The hammock like design helps provide a smooth ride. The baby is reclined and still able to look around and watch the world go by.



## Integral Baby Sling – For PLUS models

*CTS213*

Designed to be used with the 2014 Kid PLUS models the baby sling provides integral head and spinal support whilst baby seats/lies down

## Winter Bunting Bag

*CTS132 Baby*

*CTS133 Toddler*

Winter weight zip up front bag with fleece liner to keep babies warm during the colder months. The sleeping bag straps into the trailer so that baby is snugly and warm. Available in two sizes.



## Baby Seat Supporter – For Standard and PLUS Kid models

*CTS160*

Providing extra postural support for toddlers who can already sit up but whose back muscles are not yet fully developed. The padded hip and head rest provide support and comfort during naps. The height can be adjusted as the toddler grows.



## Rain Cover

*CTS163 – Kid For 1*

*CTS164 – Kid For 2*

For really extreme rain conditions or for longer journeys. Stretch over the weather cover to help prevent water ingress. Folds away easily when not required.



## Sun Cover

For those sunny days or at the end of the day when the sun is low in the sky. Easy to attach and adjust. Velcro into place between the frame tubes.

## One Size Fits All Storage Cover

*CTS222*

Protect your Croozr from the elements with this waterproof storage bag. Folds away easily when not in use.



*Standard Models*  
*CTS216 Kid For 1*  
*CTS138 Kid For 2*  
*Peppermint Green*



*PLUS Models*  
*CTS217 Kid For 1*  
*CTS218 Kid For 2*  
*Sky Blue*



## Handlebar Console

Made to fit the single or double model. Velcros into place on the handlebar. The centre pocket has a zip and the side pockets are deep enough for drinks bottles. Store your smart phone, keys and wallet safely in the zipped compartment



*Standard Model*

*CTS 219 Kid For 1*

*CTS 159A Kid For 2 – Peppermint Green*



*PLUS Model*

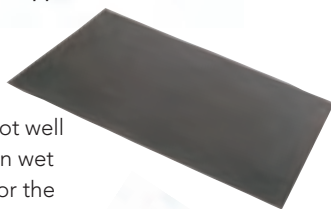
*CTS 220 Kid For 1*

*CTS 221 Kid For 2 – Sky Blue*

## Foot Mat

*CTS195*

Helps to keep the foot well of the carrier clean on wet muddy days. Great for the school run and daily use.



## Replacement Flag

*CTS170*

Just in case you misplace the flag supplied with your trailer.



## Axel Hitch

*CTS95*

Spare hitch. Leave in situ on a second bike... this saves lots of time having to transfer the axle from bike to bike.



# Croozer Dog

Redesigned and upgraded for 2014 the Croozer Dog can now be used in two ways. Towed behind your bicycle to get you to your destination quickly and easily or as a stroller with a neat push handlebar and small front wheel.

With the Croozer Dog cyclists and their dogs can enjoy touring even more! Your dog can run with you as long as it likes and can then rest in the comfort of the trailer. The Croozer Dog is also a good solution for dogs which would be a risk when running on a lead next to the bicycle. The ventilated trailer always provides its passengers with a clear view, even when it is fully closed. Access is easy via the large zipped flap at the rear. You can open the outlook panel at the front of the trailer to allow your dog to enjoy the feel of the slipstream and see the view ahead. The reinforced side panels protect your dog when leaning against the sides and the fixed mesh fabric is air permeable and tightly attached.

There is plenty of space inside and your dog can be kept secure inside the trailer by attaching the lead to one of the rings connected to the floor pan. The mat has a cover which can be changed and washed. When in stroller mode the front swivel wheel allows for easy manoeuvring whilst you push the trailer along. You can even use the trailer as a transportation box in your car by removing the hitch arm and wheels.

You can fold the trailer away in a matter of seconds with the wheels, hitch arm and push arm fitting into the solid floor pan. This makes the Croozer Dog compact and easy to transport or store when not in use. The solid plastic floor provides a secure supporting surface for your dog. It is stable and fully resistant to dirt, damp and scratches and it's easy to wash out because the water will run out of the drainage hole in the floor. There are pockets and storage compartments in the Croozer Dog which provide ample storage space.

Don't forget the Croozer Dog can be used for many pets not just dogs!

*CTS215 Croozer Dog*

*CTS223 Rain Cover For Croozer Dog (not pictured)*



## Specifications:

Maximum headroom 48 cm

L x W x H (minus handle) 84 x 69 x 76 cm

L x W x H (folded minus handle & wheels) 84 x 69 x 22 cm

Handlebar height 90 cm

Cargo platform

(L x W x H) 80 x 55 x 62 cm

Weight (Chassis & handle) 10.3 kg

Cargo load maximum 40kg

Wheels 16" spoked wheels

Colour Sand Grey

Entry aperture 34 x 34 cm

## Guarantees & safety

Croozer fully commits to children's safety from concept to design to manufacturing of the Kid trailer. Since 2003 thousands of children have been out and about in their trailers and your children will be safe too. The Croozer safety concept covers many important features including:

**The safety passenger cell for optimal passenger protection**

**The low centre of gravity for good handling and high tipping stability**

**Five point safety harness**

**Reflective materials for height and width marking**

**Tested and patented components**

**TUV certified**

**EN1888 compliant**

**Engineered in Germany**

**The Croozer safety passenger cell**

The robust tubular frame of the Croozer Kid easily passes any long term test under everyday conditions. Therefore a ten year warranty is offered on the frame.

# Croozar Cargo

Redesigned and enhanced for 2014 the Croozar Cargo offers so much more! Cleverly thought out in every detail, practical and safe to use with a marvellously clean and functional design.



Incorporating both bike trailer and hand cart the Croozar cargo is really versatile. Cycle into town, switch the hitch arm for the wheel and mount the handlebar in just a few moments. No tools are required so its very easy to do. There's plenty of space inside the robustly built Cargo whether you're cycling with it or using it for a quick shop or a picnic at the park. You can even use the Cargo as a transportation box in your car. Simply remove hitch arm, handlebar and wheels. The integrated handles in the floor pan make it easy to carry your cargo and to keep it secure.

Inside the Cargo are two side pockets and attachment straps which are great for helping secure whatever you need to transport. The Cargo has a solid floor pan which is stable, smooth and resistant to dirt, damp and scratches. Once loaded you can close the weather cover to keep out the rain and prying eyes. The robust chassis is made of square section aluminium tubing and this acts as a secure and reliable support for your load. When not in use the Cargo folds away easily and compactly.

*CTS214 Croozar Cargo*

*CTS223 Rain Cover For Croozar Cargo (not pictured)*



## Specifications:

- L x W x H (minus hitch arm & handlebar) 84 x 69 x 66 cm
- L x W x H (folded minus wheels) 84 x 69 x 17 cm
- Internal dimensions L x W x H 55 x 45 x 40 cm
- Cargo floor space L x W x H 61.5 x 43.5 x 7.5 cm
- Handlebar height Flexible
- Cargo platform (L x W x H) 77 x 50 x 34 cm
- Load capacity 40kg
- Trailer weight 9.8kg
- Wheels 16" spoked wheels
- Colour Sunset Orange & Grey



# BOB Trailers



Bob have been making their single wheel trailers for over ten years and they are known as the trailers to take on expedition. There can be very few countries in the world where a BOB trailer has not been. The single wheel design allows the trailer to lean with the bike and go through narrow gaps, so rocky off road sections are well within its capabilities. The fixing system and design are such that the trailer feels part of the bike rather than a separate entity.

Two models are available, both made from Chro-moly steel with a weight capacity of 32kg. The Bob Yak is the classic non suspended design, the suspended Ibex has 3" of travel.



Each model is available with or without the waterproof BOB bag and for either 26" or 28" wheel. The 28" model will also fit 29er bikes without mudguards. It can also be used in conjunction with 26" wheeled bicycles; it moves the centre of gravity very slightly and loading needs to be adjusted accordingly.

Please refer to the user manual for full advice and information before using your trailer.

*CTS105A BOB YAK with Dry Sak for 28" wheels*

*CTS106 BOB YAK with Dry Sak for 26" wheels*

*CTS107 BOB YAK without Dry Sak for 28" wheels*

*CTS108 BOB YAK without Dry Sak for 26" wheels*

*CTS109 BOB IBEX with Dry Sak for 28" wheels*

*CTS110 BOB IBEX with Dry Sak for 26" wheels*

*CTS111 BOB IBEX without Dry Sak for 28" wheels*

*CTS114 BOB IBEX without Dry Sak for 26" wheels*

## Spare Parts & Accessories

*CTS85 Quick release up to 140mm OLD (supplied with all models)*

*CTS86 Quick release up to 145mm OLD required for some tandems*

*CTS87 Quick release up to 160mm OLD required for SANTANA tandems*

*CTS88 BOB wheel nuts for M10 X 1 axles*

*CTS89 BOB wheel nuts for Sachs/Sturmey hub gears*

*CTS90 BOB wheel nuts for 3/8 X 26 Shimano Nexus*

*CTS91 BOB wheel nuts for 3/8 X 24 axles*

*CTS92 BOB Dry SAK*

*CTS112 BOB 'R' pins. 1 pair*

*CTS116 BOB Pin and Lanyard. 1 pair*

*CTS175 BOB trailer flag*

Many more spare parts are available to order, please see the Amba website for details.







# Welcome to Weehoo Let The Adventure Begin!

Inspired and designed in America the Weehoo range creates a new benchmark for bicycle trailers. Safe, engaging and fun, the Weehoo iGo Pro, iGo 2 and iGo Venture pedal trailers offer balanced, streamlined design which allows you to proactively interact with your children and to share the riding experience. This fresh approach to family mobility allows your children to eat, sleep, pedal or just sit back and enjoy the ride.







## iGo Venture Child & Cargo

New for 2014 the iGo Venture not only allows you to share riding time with your child but also to carry cargo as well, be it a picnic for a day out in the park or kit bags for school. Both the seat and the cargo basket are fully adjustable.

### Weehoo Flexibility

When your child grows out of his or her Weehoo the trailer can be converted into a transportation trailer by replacing the seat with a cargo basket. The Venture can be converted into an iGo 2 by replacing the basket with a second seat and foot rest kit. This logical solution offers so many more options when using your Weehoo and dramatically extends the usability of your trailer.

*WH3 iGo Venture single trailer plus cargo*

#### Specifications:

##### iGo Venture

Length: 60 in or 152 cm

Width: 13 inches or 33 cm

Height: 34 inches or 86 cm

Weight: 32 lbs or 14 kg

Maximum weight per child: 65 lbs or 29 kg

Approx Age: 2 – 9 years







iGo Pro – Single Seater



## iGo 2 – Double Seater

The iGo2 incorporates all of the features of the iGo Pro and is designed for two children. The front passenger pedals while the rear passenger has their feet secured to a comfortable footrest. So you can have two younger children together or one older and one younger. This will depend on the individual children's age and weight. Please see specification details below. The iGo 2 is a little bit longer than the iGo Pro but only by eleven inches or 28 cm. It handles well and is fun to ride with.

### Key Features

- Both seats are adjustable
- Front child pedals, rear child has a footrest
- Flexibility of age/weight of children on board
- Can be converted into a cargo trailer

WH2 iGo 2 double trailer





# iGo Pro – Single Seater

The iGo Pro (pictured top left) creates a new spin on the classic concept of a bicycle trailer – with its recumbent style seating the child gets to ‘own their ride’ by pedalling with Mum or Dad. Kids no longer have to be cooped up inside a trailer while attached to the rear of their parent’s bike. With the iGo Pro little ones enjoy the fresh air of the great outdoors, while pedalling independently.

## Key Features:

- Parents ride longer and effortlessly while kids contribute to the pedalling
- Quick adjust seat accommodates kids 96 – 132 cm height
- Children enjoy hands free riding for hours
- Adjustable three point harness with chest buckle keeps little ones safe and secure
- Removable push bar easily detaches for travel and storage
- Storage pockets in seat and over rear wheel
- Self aligning hitch supplied with five shim sizes to suit
- Additional hitches are available
- Can be converted into a cargo trailer

The iGo’s balanced design includes a low and streamlined passenger seat to ensure a smooth and steady ride. Make a day of it and bring along some snacks for the ride. Capture the memories with a camera, which can be stored along with food and drinks in either the seat pockets or pannier pockets over the rear wheel. The removable push bar easily detaches from the bicycle for travel and storage. The enclosed sprocket and chain keeps little hands safe from harm and clothes clean!

WH1 iGo Pro single trailer

## Specifications For iGo Pro & iGo2

|                   | iGo Pro                       | iGo2                          |
|-------------------|-------------------------------|-------------------------------|
| Length            | 49 inches or 124 cm           | 60 inches or 152 cm           |
| Width             | 13 inches or 33 cm            | 13 inches or 33 cm            |
| Height            | 34 inches or 86 cm            | 34 inches or 86 cm            |
| Weight            | 27 lbs or 12 kg               | 36 lbs or 16 kg               |
| Max Load Capacity | 65 lbs or 29 kg               | 100 lbs or 45 kg total        |
| Max Child Weight  | Max per child 65 lbs or 29 kg | Max per child 65 lbs or 29 kg |
| Approx Age        | 2 – 9 years                   | 2 – 9 years                   |

## Accessories:

### All Weather Cover

New for 2014 the all weather cover offers excellent protection from both the sun and the rain. During poorer weather conditions the clear front cover can be zipped down to give protection from the rain. The top is made from red material to offer sun protection and all the sides are clear to provide good visibility for the child. The all weather cover is easy to attach or detach using four plastic clamps and folds away nicely. It can be used with the iGo Pro, iGo 2 or iGo Venture.

WHC1 All weather cover

### Cargo Basket

The cargo basket can be used in conjunction with any Weehoo trailer; iGo Pro, iGo 2 or iGo Venture. Once your children have outgrown your Weehoo trailer you can use the cargo basket to convert it into a luggage trailer. The cargo basket clamps onto the Weehoo in the same way as the seats do and the position can be adjusted to suit.

WHCAR Cargo basket



### Specifications:

Length: 30 inches or 76 cm  
Width: 16 inches or 40 cm  
Height: 27 inches or 68 cm  
Weight: 1 kg or 2 pounds

### Specifications:

Length: 16 inches or 40 cm  
Width: 14 inches or 35 cm  
Height: 8 inches or 20 cm  
Weight: 1.5 kg or 3 pounds



### iGo Hitch Kit

Additional hitch kit for Weehoo iGo Pro, iGo 2 and iGo Venture. Use on a second bicycle to allow for fast transfer of your trailer from one bicycle to another.

WHHK iGo spare hitch kit

There is a comprehensive range of accessories and spares for the Weehoo trailers. Please see the website for full details.



## Installation For All Weehoos:

Assembly of the Weehoo trailers is required. Once assembled, the trailer easily attaches to and detaches from the bicycle for travel and storage. The weld free steel hitch connects the pedal trailer to the bicycle seat post for secure handling. Why not keep a hitch installed on both Mum and Dad’s bicycles for convenience.

**Compatibility:** The Weehoo trailers work with standard bicycles with seat post diameters of: 25.4, 26.8, 27.2, 30.9 and 31.6mm. Full fitting suggestions and assembly please see the videos on our website

# Busch+Müller 'Made In Germany'

A third generation German family business Busch+Müller are renowned worldwide for their dynamo lighting solutions. Busch+Müller's ethos of quality and innovation ensures their presence at the cutting edge of technological development and design. The company sits on the European lighting standards board. Right from the beginning concept of a new product everything is done in house at Busch+Müller; from concept and design through to the technology and manufacturing. The staff at Busch+Müller pride themselves on producing first class products thanks to excellent performance and perfect workmanship. All the ground breaking innovations such as standlight, IQ light technology, daytime running lights and much more originates at Busch+Müller.

## Innovations

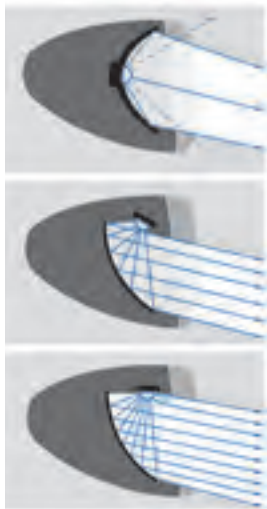
### IQ-Tec Premium – the light revolution for bicycles

IQ-Tec premium is the central technology for current front Busch+Müller lights. At its core is the revolutionary idea not to have the LED light source in the centre of the reflector. The complete reflective surface is used to focus and guide the light. Busch+Müller developed a special reflector – if you look into the reflector one only sees the metalised surface. When the light is turned on what takes its place is 'nothing but light'.



### IQ2 Technology

Launched in 2013 the new IQ2 technology utilised in the LUXOS front lights raises the standards yet again. The Luxos U has 70 lux light output and the IXON Core has 50 lux. This means that the quality of the light that you see with is dramatically enhanced. The depth, intensity and purity of the 'white' light is impressive and the actual light field is twice as wide as previous LED headlights. What does this mean for the rider? Basically you can see more clearly over a bigger, wider area than ever before. IQ2 has been designed with a new light and reflector.



**Conventional technology.** This is how headlights have functioned for decades: A light source sits in the centre of the reflector. The result: stray light and loss of efficiency.

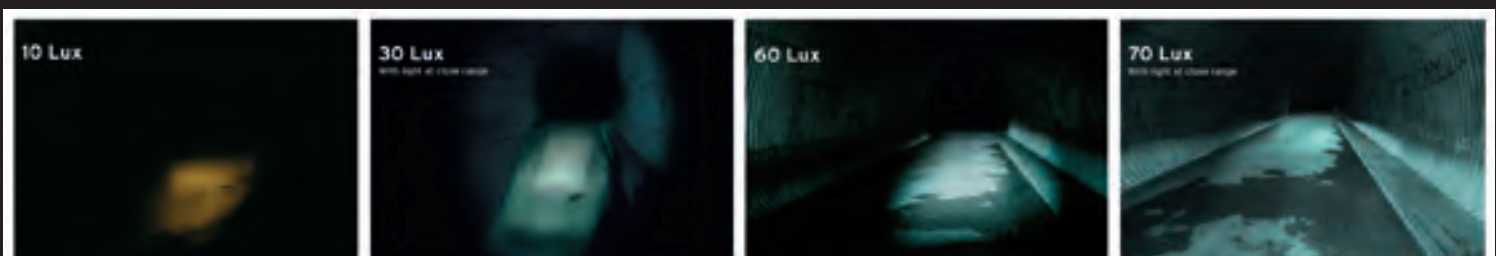


**IQ technology. Nothing but light.** The light revolution from Busch & Müller: A special reflector with an optimised cooling system uses one high output LED as an indirect light source. No LED is to be seen in the centre of the reflector. This creates a field of light that is extremely homogenous, which can be twice as wide as the one created by conventional technology. Lighting effects can be aligned much more precisely – for example the area directly in front of the bicycle can be lit

**IQ2 technology. The evolution.** The IQ technology of the next generation: position of the light source and reflector, LED and cooling have been optimised drastically. Using a prism, the light yield and efficiency are raised decisively. Additional LEDs combined with an electronic control system make "dynamic light" possible, perfectly adjusted to the individual riding situation. A dynamo powered headlight thus creates a field of light, larger by a wide margin and more homogenous than ever. The world's first headlight with IQ2 technology is called LUXOS

### Lux And The Light Field

Busch & Müller states the light output of headlights using the unit Lux. A Lux value provides the illumination level in relation to its distance from the light source and to the area that is lit. It is exactly this relation which is a deciding factor when considering a headlight, because it states the amount of light on the road. The value Lumen states how much light exits the headlight at the light source and it cannot be told whether that light shines onto the road or is lost as stray light. However, even Lux is an incomplete value when talking about the output of a headlight. Also important is the quality of the light field which is created on the road. Its width, depth, homogeneity as well as its free light/dark boundary directly affects how it is perceived by the observing eye. All those qualities cannot be stated using measured data. This means that only when looking at the light field as a whole can the true quality of the headlight be appraised.





## Licht24

Licht24 is Busch+Müller's new innovate daytime running light. The Licht24 has two modes; day and night. These provide optimal light output, adjusting to current lighting situations. A light/dark sensor automatically switches between day and night mode. With the day time running light in use the signalling LEDs shine maximally bright while the riding light directed at the road is dimmed. In the night mode the riding light shines at full capacity and the signalling LEDs are dimmed. The 'regular' riding light is focused on the road and limited by its clearly defined light/dark boundary to prevent glaring oncoming traffic.



### The functions

There are two modes: day and night. They provide optimal light output, adjusting to current lighting situations. A light/dark sensor automatically switches between day and night mode.

**Regular headlight** without daytime running light.



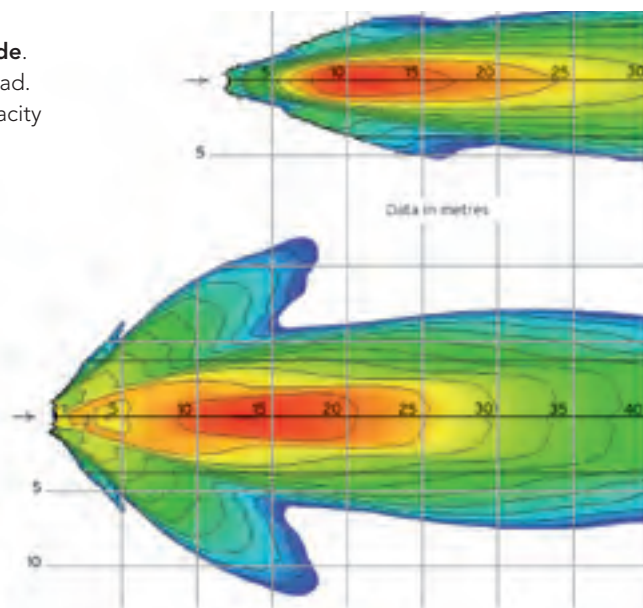
**LICHT24 headlight in day mode.** For better being seen by other traffic participants. The daytime running light (signalling LEDs) shines maximally bright, the riding light directed at the road is dimmed. Also approved for night time use (by German road traffic regulations).



**LICHT24 headlight in night mode.**  
For a maximum lighting of the road.  
The riding light shines at full capacity (30/40/70/90 Lux).  
The signalling LEDs are dimmed.

## Light At Close Range

For a secure ride it is important to be able to see the road directly in front of the bicycle. Bumps or potholes in the road can be seen better if this area is lit and can be circumnavigated by short and intuitive steering. During darkness this is only possible if the area between one and four metres in front of the bicycle is lit brightly and homogenously. Subjectively the need for light at close range is higher the slower one is riding, because a persons balance can more easily be influenced by obstacles. The light out put is specially directed into the area just ahead of the bicycle and this is called the 'light at close range'.

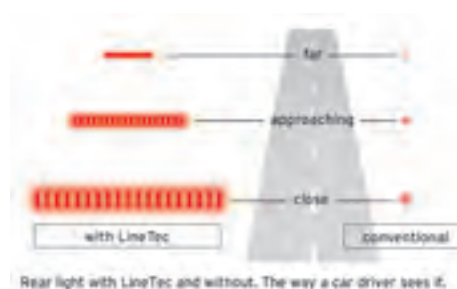


Light field without light at close range (top), LUMOTEC IQ with 60 Lux compared the new dimension of IQ2 technology (bottom).  
The light at close range is extremely wide and the lighting area of the LUXOS is precise up to 30 metres.



## LineTec – Light strip for more safety

LineTec is a light technology featuring a special lens system. The punctual light of one high power LED is spread up to become a wide strip of light, shining homogenously. Why is that important? In the past if one approached a bicycle at night from behind, one could only see a single point of light emitting from the rear light and the distance could only be estimated inadequately. To accurately estimate the distance, the human eye requires a spatial relation – especially in the 'spaceless' dark. A rear light sending out a LineTec light strip emits 'spatial light'. This is why other traffic participants can estimate the distance much better and more quickly.



## BrakeTec – The brake light function for bicycles – how it works

As a matter of course motorised vehicles signal a brake application to following traffic participants with a red, brightly shining light. Such a 'brake light function' is now available for bicycles as well. The new BrakeTec technology is integrated into the rear light. However, no connection to the brakes has to be established. Simply exchange the existing rear light for a BrakeTec rear light. The new function is approved by German road traffic regulations.

How does it work? Provided that the dynamo lighting system is turned on a processor inside the rear light analyses signals from the dynamo. If the velocity decreases significantly, the processor registers the deceleration and the rear light pulsates very brightly and noticeably. The warning function of BrakeTec harmonises ideally in connection with LineTec so that a wide strip lights up. BrakeTec is an innovation by Busch+Müller.



# Lighting Dynamo Front Lights



**Lumotec LUXOS IQ2**  
BML98 – Lumotec Luxos U IQ2

Aluminium cooling element, glossy piano lacquer.

Integrated into the "forehead" with reflectors of their own: additional LEDs for panorama light at close range and LICHT24.

Hidden inside the "head", more efficient than ever: the IQ2 LED technology.

**LUXOS**  
U LUMOTEC IQ2



The first Lumotec with IQ2 technology. With 70 Lux output with the light field twice as wide as previous LED front lights. This means that the light output covers an area that is several times larger than possible before which is maximally homogenous in quality. 'So wide, so far, so pristinely bright'. IQ2 technology brings a new intensity and quality to the light output which reaches beyond the definition of how bright a light is. It's about the 'whiteness' of the light and the quality of efficient ground 'cover'.

**Panorama Light** Luxos has panorama light at close range ie the light field is excellent not only in front of the bicycle but also to its side and beyond the edge of the road.

**Flood Light** It also has a flood light with 90 Lux output which is ideal for navigating tricky sections of riding. This is activated by the push button which in day time is a flashing headlight and during darkness while stationary it is a full light.

**USB Charging Option** The USB socket is integrated into the handlebar push button. USB devices such as mobile phones, GPS, MP3 players etc can be charged. An integrated lithium cache battery supplies constant voltage.

**Integrated Lithium Cache Battery** This additional energy storage unit is used for peaks of demand as well as charging. It recharges continually during cycling and has a LED status indicator.

**Licht24 Daytime Running Light** Consists of signalling LEDs shining brightly forward. An automatic sensor switch swaps automatically between day and night mode.

**Standlight** The standlight is automatic. Special LEDs are directed so that they are perceived by other traffic participants. Can be switched off via the push button.

**Rear Light Monitoring** A control LED inside the head light continually shows whether or not a connected rear light functions properly.

## Lumotec LUXOS B

The Luxos B is the basic version of the light with IQ2 technology, Licht24, automatic sensor and standlight.

| Model                          | Luxos B | Luxos U |
|--------------------------------|---------|---------|
| Panorama light at close range  |         | ●       |
| Floodlight 90 Lux              |         | ●       |
| Handlebar push button          |         | ●       |
| Cache battery                  |         | ●       |
| USB charging option            |         | ●       |
| LICHT24. Daytime running light | ●       | ●       |
| Standlight                     | ●       | ●       |
| Sensor automatic               | ●       | ●       |
| Rear light monitoring          |         | ●       |

BML100 Lumotec Luxos B





## Lumotec IQ Cyo Premium

A compact and stylish front dynamo powered headlight from Busch & Müller. The 80 lux Cyo Premium is compact, elegant and dynamic. The impressive IQ technology which is housed in the minimalist casing is very popular. The high output LEDs temperature is kept in check by distinctive cooling fins. For the Licht24 model four additional signalling LEDs are located beneath the main LED. The standlight function is fulfilled by two signalling LEDs. The inclusive mounting bracket and screw are made from stainless steel compound and the Cyo Premium is approved by German road traffic regulations. \* Please note the bottle version is 60 lux only

**BML62 Cyo IQ Plus 60 lux with standlight for bottles**

**BML104 CyoIQ Premium Senso Plus 80 lux with standlight for hubs**

**BML105 Cyo IQ Premium T Senso Plus 80 lux with daytime running light for hubs**

## Lumotec Eyc

The new Lumotec Eyc is very compact and weighs only 70gms. It has 50 lux output and an excellent homogenous lighting of the road. The DLR (Day Light Running) is automatically switched on/off by a light sensor. Supplied with a stainless steel bracket and clip on reflector. Approved by German road traffic regulations.

**BML102 Lumotec EYC Plus 50 lux with standlight for bottles**

**BML106 Lumotec Eyc N Plus 50 lux with switch and standlight for hubs**

**BML107 Lumotec Eyc T Senso Plus 50 lux with daytime running light for hubs**

## Lumotec Lyt

Recently added to the Busch+Müller selection this mid range light with modern LED technology has a very good and homogenous field of light with light at close range and precise light/dark boundary. The compact shape has an integrated front reflector and lateral light emission for added safety. The housing is extremely robust and the mounting bracket is made from stainless steel. Approved by German road traffic regulations.

For bottle dynamos

**BML76 Lyt B 15 lux without standlight**

**BML77 Lyt B Plus 15 lux with standlight**

**BML70 Lyt 25 lux without standlight**

**BML72 Lyt Plus 25 lux with standlight**

For hub dynamos

**BML80 Lyt B N 15 lux without standlight**

**BML81 Lyt B N Plus 15 lux with standlight**

**BML89 Lyt B Senso Plus 15 lux with standlight & senso**

**BML71 Lyt N 25 lux without standlight**

**BML73 Lyt N Plus 25 lux with standlight**

**BML90 Lyt Senso Plus 25 lux with standlight & senso**

**BML82 Lyt T N 30 lux with daytime running light**

## Lumotec Classic

A beautiful retro classic chromed housing encloses a very good and homogenous field of light with light at close range and precise light/dark boundary. The daytime running light has distinctive signalling LEDs for better visibility which are incorporated into the head light. Approved by German road traffic regulations. Supplied with a stainless steel bracket.

**BML78 Classic 25 lux without standlight for bottle dynamo**

**BML79 Classic Plus 25 lux with standlight for bottle dynamo**

**BML91 Classic N 25 lux without standlight for hub**

**BML83 Classic N Plus 25 lux with standlight for hub**

**BML92 Classic Senso Plus 25 lux with standlight and senso**

**BML84 Classic T N 30 lux with daylight running light**



| LUMOTEC IQ Cyo Premium T |            |  |  |  |  |  |  |
|--------------------------|------------|--|--|--|--|--|--|
| T senso plus             | 175QTSNDI  |  |  |  |  |  |  |
| RT senso plus            | 175QRTSNDI |  |  |  |  |  |  |

● for hub dynamo 
 ● standlight 
 ● sensor automatic 
 ● with light at close range 
 ● LICHT24

| LUMOTEC EYC  |              |  |  |  |  |  |  |
|--------------|--------------|--|--|--|--|--|--|
| N Plus       | 160RNDI-04   |  |  |  |  |  |  |
| T senso plus | 160RTSNDI-04 |  |  |  |  |  |  |

● for hub dynamo 
 ● standlight 
 ● sensor automatic 
 ● LICHT24

| LUMOTEC Lyt T |          |  |  |  |  |  |  |
|---------------|----------|--|--|--|--|--|--|
| TN            | 178TN    |  |  |  |  |  |  |
| T senso plus  | 178TSNDI |  |  |  |  |  |  |

● for hub dynamo 
 ● standlight 
 ● sensor automatic 
 ● LICHT24

| LUMOTEC Classic T |            |  |  |  |  |  |  |
|-------------------|------------|--|--|--|--|--|--|
| TN                | 1786CTN    |  |  |  |  |  |  |
| T senso plus      | 1786CTSNDI |  |  |  |  |  |  |

● for hub dynamo 
 ● standlight 
 ● sensor automatic 
 ● LICHT24

# Dynamo Rear Lights

## Pannier Rack Mounting

### Toplight LineTec

The Toplight Line light with LineTec2 has two high power LEDs inside the 90mm LineTec light strip which is made of transparent glass that shines red when in use. It is super bright with 320° visibility. The standlight deactivates automatically after four minutes or can be switched off manually. Weighting only 53g this light is very slim in design. 94 x 45 x 16.5mm with a large incorporated Z reflector. Can fit to 50 or 80mm mounts.

*BML65 Toplight LineTec Plus with standlight*

*BML86 Toplight LineTec Brake Plus with standlight*



### Toplight Flat S

The flat version of the Toplight also incorporates the LineTec lens technology. LineTec enables other traffic participants to better estimate the distance to the bicycle. It has one high powered LED, 220° visibility, a standlight and a large Z reflector. Can fit to 50 or 80mm mounts.

*BML88 Toplight Flat S LineTec Plus with standlight*



### Toplight Mini

This is the world's smallest Toplight rear light. 95 x 38 x 17mm size, 34 g weight. Suitable for slender carriers. Can fit to 50 or 80mm mounts. It has two high powered LEDs and a standlight. It offers more safety due to exceptional lateral light emission.

*BML85 Toplight Mini with standlight*

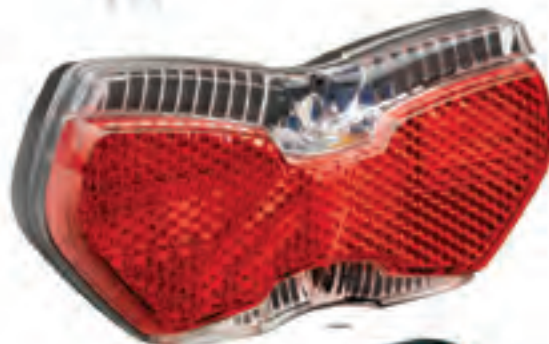


### Toplight View Plus

The latest stylish addition to the Toplight range. The clear casing allows for optimal lateral light emission. Supplied with an automatic standlight and a centrally integrated large reflector. 18mm width. 50g weight. Two super bright LineTec LEDs create a dual light source; emitting two strips of light. The effect: a brightly shining light area that can be perceived from great distances. With the BrakeTec version when the velocity decreases significantly both the upper and lower light strips pulsate extremely brightly

*BML109 Toplight View Plus LineTec*

*BML110 Toplight View Plus BrakeTec*



### Dtoplight Plus

This is the original Dtoplight with standlight and single bright LED with wide visibility. The standlight automatically turns off after approximately four minutes. Can fit to 50 or 80mm mounts.

*BML8 DToplight with standlight*

*BML17 Toplight without standlight*





## Mudguard Mounting

### Secula LineTec Plus

The Secula is compact, bright and sturdy. A prism system creates an exceptionally bright light crown from one high power LED which is very distinctive due to its 'spatial' shape. This enables other traffic participants to better estimate the distance to the bicycle. Includes a centrally integrated rear reflector and standlight. 55 x 38 mm.

*BML97 Secula with LineTec and standlight*

**LineTec®**

### 4DLite Plus

This light has a clear lens over four bright red LEDs. The protective wrap around frame over the front of the light helps to protect it from bumps and knocks. It has a standlight which after a few minutes cycling will shine for up to four minutes whilst stationary. The standlight can be switched off by rapidly by touching the two exterior contact pins with a piece of metal such as a coin. Supplied with twin core cable and connectors.

*BML10 4DLite Plus*



### Seculite Plus

This popular more compact shaped rear light is supplied with a clear lens and reflectors to allow the single high powered red LED to shine very clearly with good visibility to other traffic participants. The standlight works in the same way as the 4DLite Plus. Supplied with twin core cable and connectors.

*BML16 Seculite with standlight*

## Dynamos

### Dymotec 6

Dymotec 6 is a high output dynamo with approximately 40% efficiency. The position to the tyre as well as the contact pressure can be aligned perfectly with two easy adjustments. With its easy touch trigger a quick press of the finger suffices and the dynamo pivots towards the tyre. Available in left or right hand. Supplied with a rubber roller. A wire roller is available for extreme conditions – see spares section.

*BMDY1R – Dymotec 6 right hand*

*BMDY1L – Dymotec 6 left hand*



Regular rubber tyre roller

Tyre roller for extreme conditions.





# Mirrors

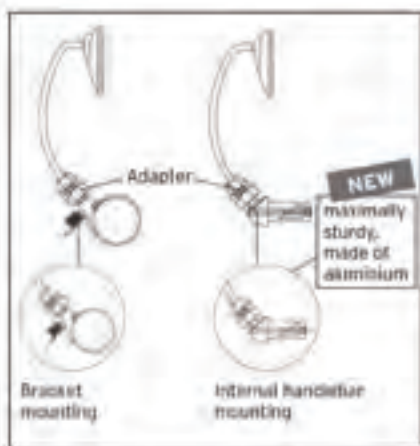
Busch+Müller manufactures mirrors for the motorbike industry. A scaled down version of a BMW motorbike mirror is available for bicycles – the Cyclestar. Each mirror has a 60 mm diameter convex splinter proof glass lens that can move in all directions with wide rear vision. A number of different style stem designs ensure that the mirror can be fitted to most bicycles. Excluding the bar end fit version, all mirrors are supplied with both bar end fit and jubilee clip for the handlebars. By popular demand Busch+Müller have made a larger 80mm diameter version of these mirrors.

*BMM1 Cyclestar long curved stem 60mm*  
*BMM4 Cyclestar short straight stem 60mm*  
*BMM5 Cyclestar bar end fit no stem 60mm*  
*BMM6 Cyclestar short curved stem 60mm*

*BMM7 Cyclestar long curved stem 80mm*  
*BMM8 Cyclestar short straight stem 80mm*  
*BMM9 Cyclestar bar end fit no stem 80mm*  
*BMM10 Cyclestar short curved stem 80mm*

**CYCLE STAR®**

Universal handlebar mounting



## Spare Cyclestar Universal Fitting Kit

*Cyclestar rear view mirror fitting kit*  
*BMM2*



## Cyclestar long curved stem

*BMM1*

## Cyclestar short straight stem

*BMM4*

## Cyclestar short curved stem

*BMM6*

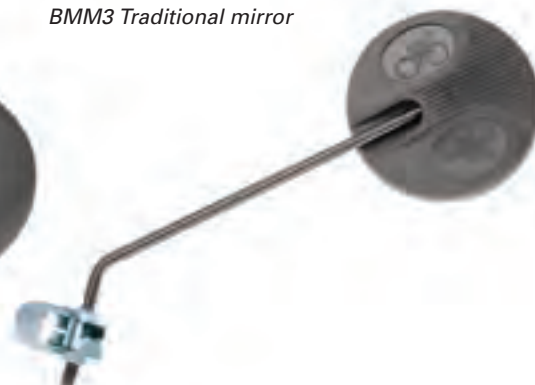
## Cyclestar bar end fit no stem

*BMM5*

## Traditional Long Arm Mirror

A traditional style rear view mirror with a 9.3cm diameter round lens. Supplied with a 22mm steel clamp for attachment to the handlebars.

*BMM3 Traditional mirror*





# Lighting

## Battery Front Lights

PREMIUM

IXON IQ®

### Ixon IQ Premium

The Ixon IQ Premium front battery light utilises a new radically designed special reflector with an integrated cooling system. The white light comes from a high powered LED that is used as an indirect light source creating a uniformly illuminated output which is very bright, wide and homogenous. The high power mode provides 80 lux output for five hours or 15 lux for twenty hours in the City Eco mode. Supplied with NIMH batteries and charger. Standard (BMD42) and oversized (BMD43) handlebar brackets are also available. Approved by German road traffic regulations.

*BML114 Ixon IQ Premium 80 lux front battery light with charger and batteries*  
*BML57 Ixon 40 lux front battery light with charger and batteries*

### IXON Core

New for 2014 the IXON Core incorporates IQ2 technology. It offers a very good and homogenous lighting of the road. It is removable from the bike with one click and fits all handlebars. It is environmentally friendly and uses rechargeable batteries

- 50 lux high power mode for more than three hours or 12 lux low power mode for fifteen hours
- Silver anodised aluminium casing
- Integrated, rechargeable lithium-ion battery
- Charged via micro USB port
- With capacity indicator
- Splash and rainwater proof
- Approved by German road traffic regulations

*BML111 IXON Core IQ2 battery light*

IXON® Core

### Ixon Pure

The Ixon Pure is a battery powered LED headlight with lens technology. It provides excellent lighting of the road with light at close range.

A circumferential rubber edge protects from shocks and serves as an anti glare protection for the cyclist when riding out of the saddle. Lateral light emissions provide improved visibility for other traffic participants. It provides high power approximately 30 lux for five hours or low power approximately 15 lux for fifteen hours.

Integral USB charging socket.

Supplied with mains charging unit, charging cable and three rechargeable AA batteries.

IXON®  
Pure

*BML94 Ixon Pure with charger, batteries & USB charging socket*

*BML95 Ixon Pure B front battery light only*

# Rear Battery Lights

## Toplight LineTec

The Toplight Line light with LineTec2 has two high power LEDs inside the 90mm LineTec light strip which is made of transparent glass that shines red when in use. It is super bright with 320° visibility. Weighting only 53 g this light is very slim in design. 94 x 45 x 16.5mm with a large incorporated Z reflector. The battery compartment can be locked with a special screw. Supplied with an AA battery and battery indicator. Shines for approximately forty hours. Can fit to 50 or 80mm mounts.

*BML87 Toplight LineTec Permanent*

*BML96 Toplight LineTec Senso*

## Toplight Flat Permanent

This rear LED battery light has 220° visibility due to the special lens system. It's very flat and light in design with a large integrated Z reflector with a single high power LED. Can fit 50 or 80mm mountings.

*BML61 Toplight Flat Permanent*

## DToplight

The DToplight battery range will fit most pannier racks. Two AA alkaline or rechargeable batteries are required for all models. The 'DToplight Permanent' has two rear facing super bright LEDs with a computer generated lens to enhance light output. The '4DToplight' also has two lateral LEDs to enhance side visibility ie making the rider more visible for cars in side roads. The 'DToplight Senso' has intelligent sensor technology which recognises combined motion and darkness and will switch on and off automatically. It also has a 'manual' setting to leave the light turned on even during the day.

*BML18 DToplight Permanent*

*BML28 4DToplight Permanent 2 central plus 2 lateral LEDs*

*BML21 DToplight Senso 2 central LEDs plus senso*

## IXXI

New for 2014 this very small compact rear battery has a high output LED. It is very bright with a large beam angle. It can be fitted to all seat posts. 53mm height x 31mm wide. Weight 35g including battery and mount. The light unit can be removed from the robust rubber casing with just one hand movement allowing access to the bottom charging port.

- Integrated rechargeable lithium-ion battery
- Shines for fifteen hours
- Charged via micro USB port
- With capacity indicator
- Approved by German road traffic regulations

*BML112 IXXI rechargeable seat post mounted rear battery light*



IXON Core and IXXI: Mounting with snug rubber straps. Charged via micro USB port



**TOPLIGHT® LineTec®**



## IX-POST

LED battery powered rear light utilising two rechargeable AAA batteries. Shines for approximately thirty hours when non rechargeable batteries are used. Enclosed in a firm rubber casing. With battery indicator. 65mm height x 43 mm width. 68g weight including battery and mount. Approved to German road traffic regulations.

*BML113 IX-Post rechargeable seat post mounted rear battery light*



## Topfire Helmet Light

The Topfire helmet light is one of the lightest rear lights available – weight 19g including battery with over 180 hours run time. Four super bright flashing red LEDs attach to the rear air vents of the helmet with sticky pads. The on/off switch clips to the helmet strap.

*BML1 Topfire Helmet Light*



## IXBack Senso

The IXBack Senso is a rear battery light utilizing a red LED with the super bright LineTec lens system providing 'spatial light'. It gives a homogenous and brilliant strip of red light allowing the driver a drastically improved perception of the distance between his car and the bicycle. 360° visibility. Automatic activation due to the light/motion sensor or permanent option. 50 g including two AAA batteries. Twenty five hours full light intensity. Quick and easy to mount using rubber bands or cable ties. The light box can be removed with one click. Approved by German road traffic regulations.

BML67 IXBack Senso



# Electronic Devices

## E-Werk – Power Without Mains

The award winning bike mobile E-Werk allows for charging of mobile phones, GPS, MP3 players and other electronic devices whilst cycling. Connected to a hub dynamo the energy is made usable to charge and/or power mobile devices. The power unit is easily mounted on the bike and includes output controls to vary both the voltage and current to suit the device attached. The E-Werk is splash and rainwater proof.

The E-Werk is supplied with attachments for both SON and Shimano hub dynamos on the 'power in' side and with three connectors for the 'power out' side: Standard USB, Mini USB and Micro USB. Voltage is adjustable from 2.8Volts to 13.3Volts, current from 0.1A to 1.5A. Maximum power output is 16W. Used in conjunction with the Universal Cockpit Adaptor you can mount your device safely on the handlebars. For the safety of themselves and others around them riders should not use mobile devices whilst in motion. It charges at approximately 8 km/h and faster. At 15 km/h it charges as fast as standard mains connected chargers. It can be fed with up to 50 V DC, so that operation with an e-bike or car battery is possible as well.

BME E-Werk

**WARNING:** It is the responsibility of the user to select the correct power output for the device being used in conjunction with the E-Werk. Busch+Müller will not be liable for any damage caused to other equipment connected to the E-Werk.



Easy mounting on bicycle frame, splash and rainwater proof



For dynamo or battery connection / type 301

**E-WERK®**



Complete accessory set of the E-Werk

## Cache Battery For E-Werk

Constantly supplies 5 V which is the standard voltage for charging via USB connection. 1400 mAh capacity. Supplied with a protective nylon bag. Weight approximately 180 g. 80 x 40 x 40mm.

Some sensitive mobile electronic devices react to voltage fluctuations by interrupting the charging process. Since the E-Werk is connected to a hub dynamo it cannot supply power free of those kinds of fluctuations. The cache battery harmonizes the voltage and prevents charging interruptions.

*BMEC E-Werk cache battery*



E-WERK (type 360) with cache battery (type 461A)



For dynamo / type 360RM



Complete accessory set of the USB-WERK

**USB-WERK**  
AC

## USB-Werk

The USB-Werk supplies 5 V and up to 1 A current. A small integrated cache battery ensures a constant voltage supply during slow riding and or stops. It is a perfect fit for charging and or powering USB devices such as mobile phones, GPS, MP3 players etc. Contains cable with USB socket.

*USB-BME USB-Werk*

## Universal Cockpit Adapter

The Universal Cockpit Adaptor allows many portable devices to be mounted on your bicycles' handlebars including the award winning E-Werk. The unit has adjustable side bars from 45mm to 115mm width which will hold devices securely even over rough road surfaces. The tightening strap is suitable for handlebars from 22 to 40mm diameter. No tools are required.

*BMU Universal Cockpit Adaptor*

*BMES1 E-Werk spare cable to hub*

*461KMIN E-Werk spare mini USB cable*

*461KMIC E-Werk spare USB micro cable*

*461KUSBB E-Werk USB cable 120mm*

*461 ZPB E-Werk spare cable set complete*

Replacement parts  
(see image above)

## Light Checker

Super little device which allows you to check your front and rear lights are functioning well. Designed with quick connection terminals.

*BMLCL Light Checker Light*





## Spares For Lights

Amba has a wide range of spares for Busch+Müller lighting systems. Here are some. For a comprehensive list please refer to our website.

**Dynamo bracket to fit caliper and V brakes**

*BMD4*



**Shorter dynamo bracket to fit caliper and V brakes**

*BMD24*



**Dynamo bracket to fit cantilever brakes**

*BMD5*



**Shorter dynamo bracket to fit cantilever brakes**

*BMD25*



**Aluminium stay fitting dynamo bracket**

To fit 15mm to 25mm tubing

*BMD23*



**Ixon bracket to fit front fork**

Standard size to fit V brakes

*BMD40*



**Lumotec Retro bracket to fit 1" threaded front fork**

*BMD39*



**SL universal light bracket**

*SLF9*



**Replacement rubber roller for Dymotec 6**

*BMD17*



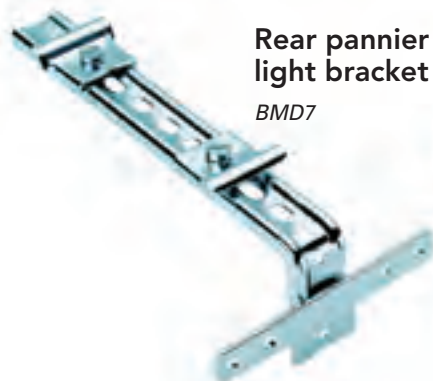
**Replacement all weather roller for Dymotec 6**

*BMD18*



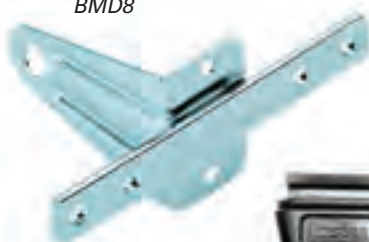
**Rear pannier light bracket**

*BMD7*



**Rear seat bolt light bracket**

*BMD8*



**Stainless steel light brackets**

**Long bracket 474DL**

*BMD55*



**Medium bracket 475D**

*BMD52*

**Short bracket 474D**

*BMD47*



**Ixon bracket to fit front fork**

Standard size to fit V brakes

*BMD40*

**Cross bracket**

Mounts rear mudguard lights to canti bracket

*BMD36*



# Supernova



Founded by the XC and downhill racer Marcus Wallmeyer in 1997, Supernova began with battery lights for off road use and later began to design and build dynamo powered, highly efficient, powerful lights that can be used on and off road without the restrictions implied by battery life expectancy. Using a dynamo system is 'revolutionary' in terms of high output off road lights – but it makes sense - you can power your light at any time for as long as you want to. There is no waiting for batteries to be charged and your lights will continue to function in very cold conditions where normal rechargeable batteries will cease to work. The electronics of the Supernova dynamo lights use the dynamo power highly efficiently – the complete system is extremely light and much cheaper than any battery powered system due to its long life expectancy. And this solution is 'green'. In 2012 Supernova added first class hub dynamos to their range which have been received to much acclaim.

Supernovas' own in house development team work in conjunction with prestigious bodies such as the Light Technology Institute based in Karlsruhe, Southern Germany. Supernova is continually researching the latest LED technological developments. This means that new models will have better and brighter output as LEDs evolve. Supernova are so committed to this philosophy that it is possible for the consumer to return his or her light to have the latest compatible LED upgrade for a small charge.

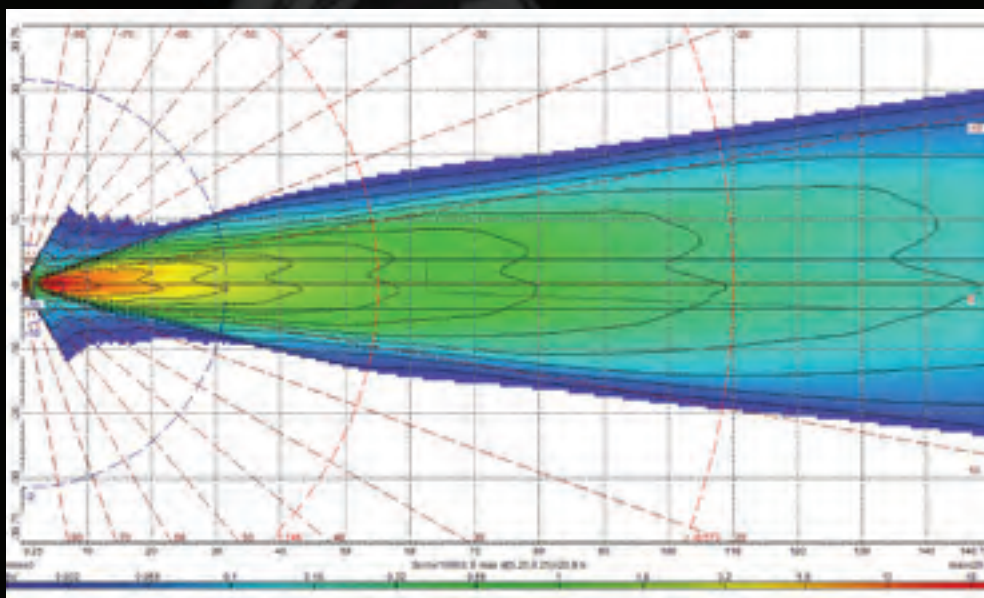


## Innovations

Supernova is continually striving to enhance and improve their products as developments in technology allows. Here are some of the current highlights from the Supernova evolution.

### Terraflux2 Lens

The new Terraflux2 lens is made in a mould that was CNC machined with a precision of 0.1 micrometers. The finished lens only has a surface roughness of 5 nanometres! Even though these improvements can only be seen with a microscope they optimize the beam considerably. Enjoy this new level of perfection! Surpassing even the high demands of the German road regulations the Terraflux technology is capable of guiding more than 90% of the light beam onto the ground with the greatest of efficiency. This means that a considerably greater portion of the light can be used to illuminate the road ahead than with a standard lens. By optimizing the production parameters Supernova have achieved an excellent homogenous beam shape with an outstanding, far reaching light that has a comfortable width as well. Its brilliance is an important part of the quality that makes Supernova lights so special.



Light distribution simulation over a distance of 150 m. The reach of the beam is important for high speeds and the width for security in turns.

---

90% stronger ground illumination

---

Homogeneous strong illumination

---

Excellent illumination of curves

---

Will not blind oncoming traffic

---

Weatherproof and resistant to aging

---

Developed and produced in Germany

---

Additional illumination of surroundings for more safety and better visibility of road signs

---

Scratch resistant, high density surfaces

---

Conical beam centre hole for better efficiency

---

Extremely impact proof

---





## Triple Lens

### - The perfect off road lens

The high performance Triple lens is used for all of Supernovas off road lights because off road a wide illumination of the surroundings is ideal. With this light numerous 24h races have been won. The current lens is perfectly matched to the newest generation of LEDs that are more than 50% brighter than the previous types. Thanks to the fine honeycomb structure on the surface the beam pattern is pleasantly homogenous.

Light distribution simulation over a distance of 150m. The homogeneous transitions at the margins produce a comfortable, smooth beam shape. The especially wide beam is ideal for off road use.

Honeycomb surface for smooth beam shape

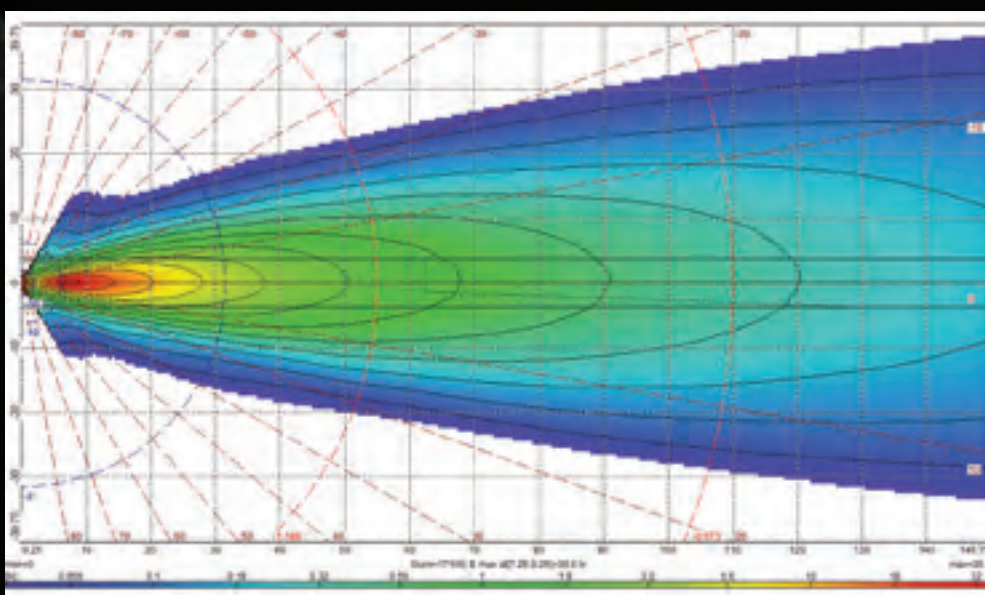
Very wide, symmetrical beam

Excellent illumination of curves

Scratch resistant surface

Impact resistant lens

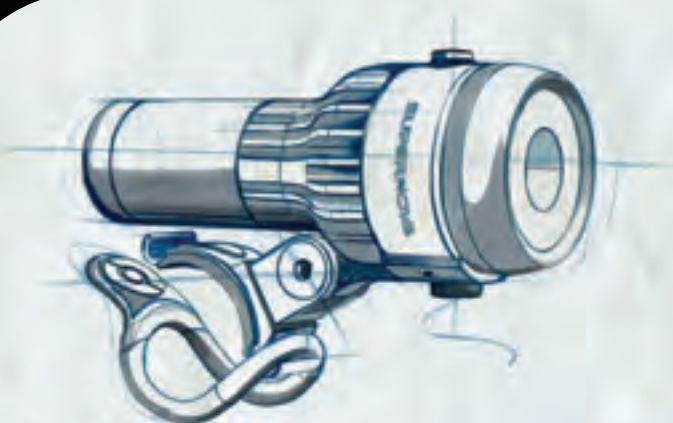
High efficiency



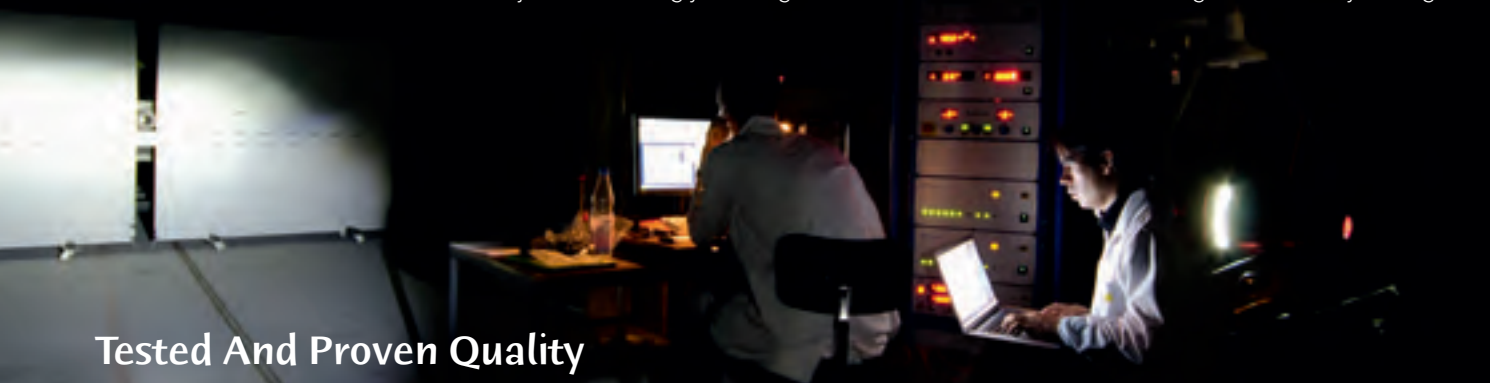
## Designed With Passion

It's a long way from the initial drafts to a finished product. The Supernova development team always combines good design with innovative technology. The first creative phase already benefits from the experience already gained by the production of many successful products. Supernova develop each design idea technically with great passion to create ground breaking new products that can be enjoyed by their new owners for many years to come, thanks to their timeless design.

The design of Supernova products has been recognized with international awards many times for their high design quality and innovation.



● Please note that for all of the lights, in 2013 Supernova's LED manufacturer changed the reference value for their LED brightness from 25°C to 85°C. Measurements have been adjusted accordingly resulting in lower nominal values. In real life the lights can actually be brighter.



## Tested And Proven Quality

Supernova has always built products designed to have the longest possible life spans. This requires careful testing of all components and through tests of the prototypes whenever a new product is developed. Through the years Supernova have continually developed more complex testing procedures in addition to ISO standard tests to simulate exceptional circumstances. This is where Supernova wants their products to excel.

For example, in a climate chamber extreme environmental conditions are recreated to simulate the freezing Arctic or the humidity of the tropical rain forest. Seals have to remain tight at both ends of the temperature scale, cables must not get brittle in the cold and the quality of the housing parts is tested in a hot and humid environment. The real challenge that the lights have to face of course is in the repeated changes of environment they must face day to day ... from inside to out on a cold winter's day. This creates a pressure difference between the inside and outside of the housing and the seals have to prove their worth. By minimizing cavities and by designing the seals to withstand pressure changes of up to 1 bar, the lights are protected from such extremes. Supernova are so confident in their products that they offer their fully warranty even if the lights are used for extreme events such as the Race Across America, Paris-Brest-Paris, 24 hour Mountain Bike races or even a race around the world.



Tests done over several weeks in the climate chamber simulate many years of usage in extreme conditions.



This test with oscillating water jets simulates spray water from all directions.

## The Fairy Tale Of The Lux

The oft quoted lux values are spot measurements of the brightness, in general measured at a distance of 10m. Measured in this manner, a laser would have a ridiculously high lux value, while being totally useless for cycling. The widely spread beam created by Supernova lights do not boast record brightness in one spot but rather illuminates a larger surface with even brightness. The lumen value given by Supernova for every light is a measure for the overall light quantity emitted by the LED. Absolute brightness alone doesn't tell the user anything about the beam shape.



The left beam has 4 x the brightness (lumens) of the right one but both have the same lux value, which only measures brightness in one spot. Don't be dazzled by sensationally high lux values when comparing lights.



## Dynamo Technology - The beauty of generating your own power

**Lightweight!** The new Supernova Infinity S hub dynamo is beautifully light, adding only some 200g weight over a standard front hub.

**Bright!** A Supernova dynamo lighting system is often brighter than many battery powered lights. Perfectly cooled LEDs work with the highest efficiency.

**Ecological And Economical!** The electronics of Supernova dynamo lights uses the energy provided by the dynamo very efficiently. The complete system is much more cost effective and ecological than any battery powered system in the long run.

**Durable!** Each part is made from rugged CNC machined and anodized aluminium. The light housings are water proof and the dynamo hubs with heavy duty bearings are triple sealed. The high quality materials and highest production standards give all Supernova products a long life span.

**Be Prepared!** Dynamo lighting systems are ready for use any time they are needed, without limitations. There is never a need to charge them and the trip can be extended as long as desired.

## Dynamo Front Lights

### E3 Pro 2 & E3 Triple 2 - Designed to be the best



Both of these models have rugged aluminium housings which can withstand serious crashes onto hard ground. In the worse case every single part of the housing can be replaced. Both the housing and the mounting brackets of the E3 2 are anodized to make the corrosion resistant. Since scratches cannot be avoid during the long lifetime of an E3 2 Supernova have used corrosion resistant 6061 aluminium alloy.

Cooling the LED emitter is one of the most important functions of the light housing. Only a well cooled LED works with optimal efficiency and reaches its full brightness. The 65 x 40 x 40mm housing of the E3 2 is very small but the cooling fins increase the surface area by 20%. The rugged shrink wrapped twin core wiring throughout the system ensures a safe power transfer without loss and a top performance.

#### E3 Pro 2 – The best choice

The E3 Pro 2 is the improved successor of the very popular E3 Pro. The new side illumination greatly increases the safety of the rider in traffic. This light has a glare free lens and passes the exacting German road regulations with flying colours. The lens provides a very wide, homogenous carpet of light on the ground, even at low speeds. The light appears very bright because most of it is guided towards the ground. The beam also reaches far enough for fast riding. The E3 Pro 2 has a five year quality warranty.



The E3 Pro 2 lens provides a great glare free illumination with an excellent far reaching beam.



#### Technical Specifications:

Lumen measured warm: 205  
Standlight: 5 minutes  
Lens type: Terraflux2  
Illuminant: CREE LED  
Length x diameter: 65 x 45mm  
Housing material: 6061 Aluminium  
Mount: Multimount  
Weight 110g  
Warranty: Five years

|         |        |
|---------|--------|
| SN1GM2  | Grey   |
| SN1BM2  | Black  |
| SN1SM2  | Silver |
| SN1RM2  | Red    |
| SN1BLM2 | Blue   |
| SN1GRM2 | Green  |
| SN1ORM2 | Orange |
| SN1PKM2 | Pink   |

## E3 Triple 2 – The brightest dynamo light

The revolutionary E3 Triple 2 dynamo light illuminates the trails with three well cooled CREE power LEDs brighter than any other dynamo light available. This is made possible by the ingenious electronics that uses the power of the generator with optimal efficiency at all times. The E3 Triple 2 was developed for the 24 hour MTB races. Olympic gold medallist Bart Brentjens used the E3 with his four man team which won the 24 hour race at the Nurburgring in Germany. Full light output is achieved at speeds over 8kph. The newest version of the E3 Triple 2 is now more than 50% brighter than its predecessor thanks to optimized electronics, a new lens and the CREE LEDs.

### Love Your E3 Triple 2!

Powered by an efficient, silent hub dynamo, the E3 Triple 2 has unlimited burn time, is absolutely reliable and never has to be charged. The three high powered CREE LEDs are cooled optimally by the airflow around the light providing an impressively bright light of up to 800 Lumens. Intelligent activation of the LEDs by sophisticated electronics transforms the dynamo power into light with great efficiency. The E3 utilises a capacitor which supplies the LED with energy at low speeds or if stationary. The first few seconds of stand light are very bright and then the brightness is adjusted to a lower setting which shines for up to five minutes.

The E3 Triple 2 has a very homogenous wide illumination pattern and gives you a good orientation in every surrounding. It is ideal for fast mountain bike courses. It also illuminates the road signs very well and is popular with audax and other long distance riders. The E3 Triple 2 is recommended for 24 hour MTB races, MTB night riding, Randonneuring and Cyclocross training.

#### Technical Specifications:

Lumen measured warm: 640 lumens

Standlight: 5 minutes

Lens type: Triple LED

Illuminant: 3 x CREE LED

Length x diameter: 65 x 40mm

Housing material 6061 Aluminium

Mount: Multimount

Weight 120g

Warranty: Five years

SN3SM2 Grey

SN4SM2 Black

SN5SM Red

SN6SM Blue

SN7SM Green

SN8SM Orange



The E3 Triple 2 was designed for off road use. The tunnel shows its enormous brightness very well.



## Mounting Options For E3 Pro 2 and E3 Triple 2

### Multimount Bracket

The E3s are supplied with a multimount bracket which has a CNC machined safety lock that can be adjusted vertically with its dual pivot points. This bracket is recommended for V brakes.

*SN10 Black Multimount Bracket*

### Handlebar Mount

Off road tested handlebar with two axis adjustment options for perfect beam alignment.

It is easy to remove the light from this bracket if required. Supplied with two O Rings

– 1 x 25.4mm, 1 x 31.8mm. Five year warranty is offered on the UV resistant O rings.

Compatible with all multimount lights.

*SN25 Handlebar Mount*

### Central Handlebar Mount

A CNC machined carbon central handlebar mount with a carbon tube weighing 34g only is available. Ideal for mounting a bike computer or GPS unit. Has a large 26mm clamping tube.

For 31.6mm bars only.

*SN29 Central Handlebar Mount*

### FCL Adapter

The new Fork Cube Leg adapter modifies all multimount brackets to fit road bike calliper brake mounting bolts and also fork crowns if a Magura HS11/33 is installed. The FCL attaches to the end of the multimount.

*SN26 FCL Adapter*





# Dynamo Rear Lights

## Innovation – Amazingly Small & Bright

Supernova have designed their tiny rear lights with the same dedication and commitment that is given to the front lights. The attention to detail is beautiful. For many years it was impossible to build such a tiny rear light with such brightness that was road legal in Germany. Supernova have achieved this accolade with their new E3 Tail Light 2. The dazzling bright light is guided by the clever Twin Beam Technology providing the best possible safety.



The standlight electronics of the puristic rear light has been neatly integrated into the front light. This innovation makes the extremely small design possible. The CNC machined rear light weighs only 12 g and is 100% waterproof. The new side illumination offer increased traffic safety.



## E3 Tail Light 2 – A New Level Of Security

This light has an ultra bright 250° beam which greatly enhances the safety of the rider. The Twin Beam Technology in all of Supernovas new rear lights offers extremely bright illumination towards the rear and both sides. The indicator beam even makes it possible for the rider to control whether the light is on while sitting in the saddle.

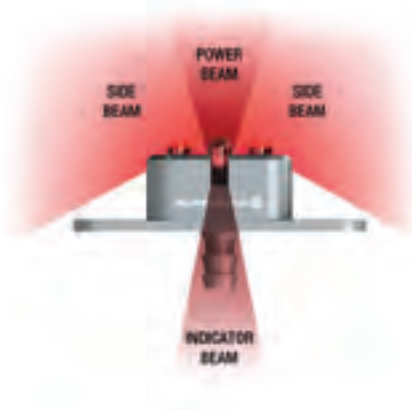
The Twin Beam Technology optimally combines the light of the three LEDs by using two different beam angles and brightly illuminates the whole danger zone behind the rider.



Seat post mounted



Rack mounted



### Specifications

|               | Seat Post Light      | Rack Light           |
|---------------|----------------------|----------------------|
| Standlight:   | 4 minutes            | 4 minutes            |
| Illumination: | 5mm custom made LEDs | 5mm custom made LEDs |
| L x W x D:    | 30 x 11 x 15mm       | 30 x 11 x 15mm       |
| Material:     | 6061 Aluminium       | 6061 Aluminium       |
| Weight:       | 18g                  | 12g                  |
| Mounting:     | All seat posts       | 50mm standard        |
| Colours:      | Silver, Grey & Black | 8 colours            |

|          |   |
|----------|---|
| SN6G2    | Grey 50mm rack fitting                        |
| SN6B2    | Black 50mm rack fitting                       |
| SN6B2-FR | Black 50mm rack fitting<br>(Cable exit below) |
| SN6S2    | Silver 50mm rack fitting                      |
| SN6R2    | Red 50mm rack fitting                         |
| SN6BL2   | Blue 50mm rack fitting                        |
| SN6GR2   | Green 50mm rack fitting                       |
| SN6OR2   | Orange 50mm rack fitting                      |
| SN6P2    | Pink 50mm rack fitting                        |
| SN6G-S   | Grey single bolt mudguard mounted             |
| SN7G2    | Grey seat post mounted                        |
| SN7B2    | Black seat post mounted                       |
| SN7S2    | Silver seat post mounted                      |

## Dynamo Rear Light Spares & Accessories

### Quick Release Gold Connector Set

For use with the Supernova lights these gold connectors and integrated heat shrinks make quick removal of the lights nice and easy. Always pull on the plug not the cable!

*SN8 Quick Release Gold Connector Set*



### Security Bolt Kits For Multimounts

For added security this kit allows the rider to replace all screws on the Multimount with custom made safety bolts. All screw heads have identical hex heads with a central pin to discourage theft. Two sets of multimount screws and one main screw M6 x 45 made from stainless steel are supplied together with two custom keys.

*SN27 Security Bolt Kits For Multimounts*

### O Ring Set For Handlebars & Stems

Includes two sets of O Rings (EPDM50 & 70). Softer version for stems, 31.6mm handlebars and seat posts. Tougher version for 25.4/26mm handlebars.

*SN28 O Ring Set For Handlebars & Stems*



### Spacer Kit For E3 Tail Light

Stainless steel spacers and bolts to attach E3 Tail Lights to some racks without the need to drill holes into the rack.

*SN22 Spacer Kit For E3 Tail Light*



## Hub Dynamos

### Infinity S Hub Dynamo

The Infinity S is an efficient and robust endurance dynamo. Its very inconspicuous thanks to its sleek elegant housing. Like all Supernova products the Infinity S has been designed for maximum power and longevity. The Solo Magnet Technology makes it more powerful than most other dynamos available. It's a great choice for long distance cyclists as well day to day commuters.

The Infinity S is equipped with the strongest type of permanent magnet made using the neodymium-iron-boron. The dynamic design follows the powerful lines of the central high performance magnet and gives the Infinity S its very distinctive shape.



#### Features:

80% efficiency at 25 km/h

SoloMagnet Technology

Two triple sealed grooved ball bearings

High strength forged 6061 aluminium

Aluminium hollow axle

Shimano Center Lock disc brake mount

Salt water resistant protective anodization

Gold coated contacts



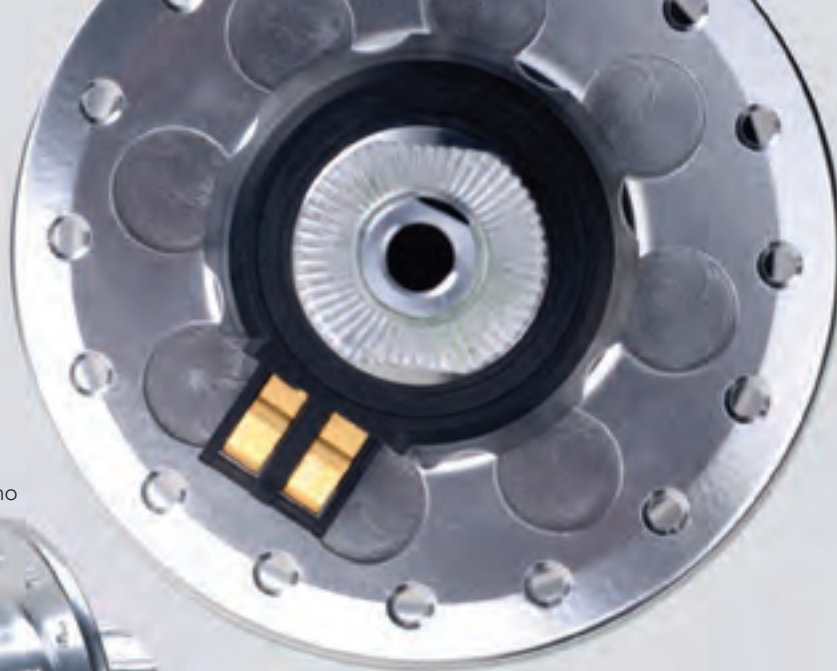
#### Technical Specifications:

|                   |                                       |
|-------------------|---------------------------------------|
| Weight:           | 399g                                  |
| Width:            | 100mm                                 |
| Flange Height:    | 66mm                                  |
| Housing Material: | Forged AL6061 aluminium               |
| Magnet:           | 26 pole NdFeB N53                     |
| Bearings:         | 6000 TPI, low friction, triple sealed |
| Axle:             | Hollow axle                           |
| Connectors:       | Gold plated                           |
| Spoke holes:      | 32                                    |
| Disc brake mount: | Shimano center lock*                  |
| Colour:           | 8 colours                             |

\* Center lock rotor mounting system licensed by Shimano



|         |        |
|---------|--------|
| SNHSG   | Grey   |
| SNHSB   | Black  |
| SNHSS   | Silver |
| SNHSR   | Red    |
| SNHSBL  | Blue   |
| SNHSGR  | Green  |
| SNHSSPK | Pink   |



## Front Battery Lights

### Supernova Airstream 2

The Supernova Airstream 2 is one of the brightest road legal lights available. It was developed as a completely carefree light that can be used for daily commuting as well for tough off road rides. The Airstream 2 can be used universally and can be mounted on all round handlebars and even centrally on the stem. The plug in rear light is supplied from the main battery in the Airstream 2 and the rider will never need to worry about charging it or replacing its cells.

The Supernova Terraflux2 lens used in the Airstream 2 spread out a wide, far reaching carpet of light in front of the rider. This technological core piece guides 90% of the light towards the ground where it is needed most. The efficiency of the lens is so good that the rider can ride using the dimmed down setting with up to twenty four hours burn time.

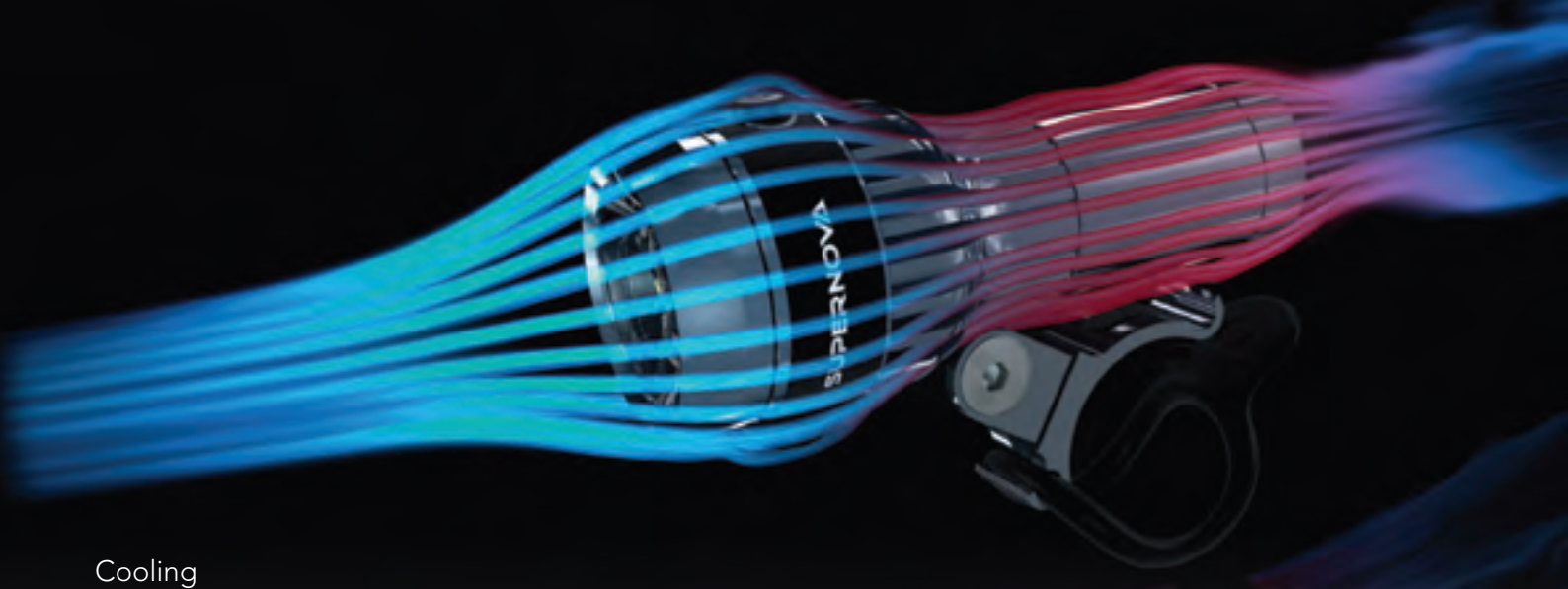
#### SNAIR2 Supernova Airstream 2

#### Technical Specification

|                      |                |
|----------------------|----------------|
| Lumen measured warm: | 205/370 lumen  |
| Burn time:           | 2.5 – 24 hours |
| Lens type:           | Terraflux2     |
| Illuminant:          | Cree LED       |
| Length x diameter:   | 105 x 40mm     |
| Material:            | 6061 Aluminium |
| Weight:              | 165g           |







## Cooling

The intelligent active cooling electronics of the Airstream recognizes the critical temperatures with a special heat sensor and adjusts the LED power in fine steps until the temperature has stabilized again. After the housing has cooled off the Airstream returns to the original brightness setting automatically.

## Thermal Revolution

Maximum LED brightness of up to 370 Lumens in a compact, rugged and excellently cooled housing! Thanks to its integrated Lithium-ion battery and the universal quick mounting, the Supernova Airstream is an absolutely care free light. Whether on the way to work, in heavy city traffic or while out training on a mountain bike on fast single track, the Airstream offers versatility of use. Thanks to the removable handlebar mount the Airstream can even be used as an extremely bright flash light.

*SNAIR Airstream 370 lumen light*



The intelligent battery indicator adapts to all environment temperatures

|  |            | Left  | Right        |
|--|------------|-------|--------------|
|  | 100% - 50% | GREEN |              |
|  | 50% - 10%  | GREEN | RED          |
|  | 10% - 1%   | -     | RED          |
|  | 1%         | -     | RED FLASHING |

Setting 1: 2.5 h Burn time  
 Setting 2: 3.5 h Burn time  
 Setting 3: 7 h Burn time  
 Setting 4: 24 h Burn time  
 Flashing: 12 h Burn time



## Features

Terraflux2 lens

Sealed lithium-ion battery

Glowing, glove friendly button

Battery capacity indicator

Weather proof and resistant to cold up to -5°F Safety side illumination

USB charge function – also while running the light

Extreme brightness thanks to excellent LED cooling

Plug in rear Airstream light



## Mounting Options



### USB Adaptor Cable

30cm adaptor cable to USB 2.1 mm DC jack on light. Enables the Airstream to be charged from standard USB ports.

*SNAIRUSB USB cable*

### Handlebar Mount

The newly developed, light but robust mount allows you to install the light in many different positions and offers many useful functions. CNC machined aluminium.

2 axis adjustment options for optimal alignment of the beam.

Stainless steel bolts and abrasion resistant PE washers prevent wear on the metal sections.

The quick release mount can be installed and removed in a few seconds.

Fits 25.4/26.0 and 31.8 mm bars and many stems.

Has two extremely strong UV resistant O rings and a five year warranty.

The strong grippy pull tag with embossed Supernova logo facilitates the installation.

Weight 22g

*SN25 Handlebar mount*

### O Ring Set For Handlebars & Stems

Includes two sets of O Rings (EPDM50 & 70). Softer version for stems, 31.6mm handlebars and seat posts. Tougher version for 25.4/26mm handlebars.

*SN28 O Ring Set for Handlebars and Stems*

### Helmet Mount

The ultra light Airstream helmet mount allows the installation on vented helmets. The light can be adjusted horizontally and vertically without tools after the installation. A soft rubber pad protects the helmet from damage.

The new Terraflux2 lens is ideal for helmet mounting because it guides 90% of the light towards the ground, losing very little scattered light that shines up into the sky. This allows the Airstream to compete with other lights boasting much higher brightness values. The high mounting position allows the light to spread out especially wide to illuminate difficult trail sections optimally.

*SN30 Helmet mount*



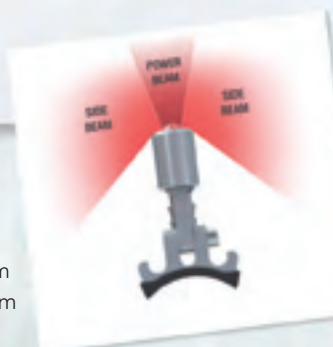
# Rear Battery Light



### Technical Specifications

|                         |                      |
|-------------------------|----------------------|
| Light colour:           | Red                  |
| Compatibility:          | Airstream            |
| Length x width x depth: | 30 x 11 x 15mm       |
| Material:               | 6061 Aluminium       |
| Weight:                 | 36g                  |
| Cable length:           | 120cm                |
| Illuminant:             | 5mm custom made LEDs |

*SNAIRB2 Airstream Tail Light 2*



### Airstream Tail Light 2

The new 36g Airstream tail light with Twin Beam Technology draws its energy from the large main battery of the front light and therefore does not require its own power source. This probably makes it the smallest rechargeable battery rear light in the world. It is also the brightest German road legal rear light available. The Tail Light is simply plugged into the charge port of the Airstream and is automatically recognised by the intelligent electronics. Powering the three bright red LEDs reduces the burn time of the Airstream only by minutes. The universal seat post clamp fits all seat post sizes and keeps the light safely attached to the bike. With the reliable Airstream tail light the rider can forget all the worries incurred with failing and falling off plastic rear lights.







In 1975 Kool Stop solved the problem of heat build up and loss of friction with their major innovations in brake pad design – hence the name! Kool Stop continues to be the leading developer in bicycle brake and disc pads. By controlling all of the ingredients in the rubber compound and by milling all of the rubber in their own factory, Kool Stop is able to constantly improve the quality of their brake pads and maintain rim friendliness. New models that fit the demands of the market are introduced regularly and compounds suitable for different rims are developed on an on going basis. For quality pads that are long lasting and efficient look no further.

All compounds are rim friendly™





# Kool Stop

## Cantilever Brake Pads

### MTB Contoured Cantilever

Post mount for standard cantilevers. Designed to follow the curve of the rim of MTB wheels.

Weight: Approx 24 g/pair

*C1KS390 Black*  
*C1KS395 Salmon*  
*C1KS396 Green/ceramic*  
*C1KS397 Dual compound*



### Eagle 2 Cantilever

The extended pad length and off centre post design provide even wear for longer life. The pad had an 'auto toe in' feature for easy set up. Angled tip to divert mud and rain away from rim. Power-Stop design.

Weight: Approx 40 g/pair

*C2KS241 Black*  
*C2KS245 Salmon*  
*C2KS246 Green/ceramic*  
*C2KS247 Dual compound*  
*C2KS248 Carbon Rims*  
*C2KS249 Rigida Carbide*



### Thinline Cantilever

Designed for bikes with tight brake clearance such as touring or some cyclo cross bikes. Allows easier wheel removal without resorting to letting the tyre down. Thinner but longer pad.

Weight: Approx. 40 g/pair

*C3KS340 Black*  
*C3KS345 Salmon*  
*C3KS346 Green/ceramic*  
*C3KS347 Dual compound*



### Holders With Replacement Pads

Light weight Dura type holder with dual compound replacement pad for Cycle cross.

Weight: Approx 28.7 g/pair

*H6KS550 Dual compound*



## Threaded Brake Pads V Type

### MTB Contoured

Designed to follow the curve of the rim of MTB wheels. Designed for use with modern V brakes and supplied with a full set of washers.

Weight: Approx 58 g/pair

*T1KS380 Black*  
*T1KS385 Salmon*  
*T1KS386 Green/ceramic*  
*T1KS387 Dual compound*



### Thinline V TM

Designed for tight brake clearance systems. Easy tyre removal M-6 threaded post with washer assembly for four multiple spacing adjustments.

Weight: Approx 58 g/pair

*T2KS330 Black*  
*T2KS332 Red*  
*T2KS335 Salmon*  
*T2KS336 Green*  
*T2KS337 Dual compound*



### Supra 2

Padlock system. Pad with a concave backbone to resist movement and increase performance. Includes V-brake washers that can be fitted with the original "pad-lock" gripper washer system to fit all types of brake systems.

Weight: Approx 58 g/pair

*T3KS430 Black*  
*T3KS435 Salmon*  
*T3KS436 Green/ceramic*  
*T3KS437 Dual compound*  
*T3KS439 Rigida Carbide*



### Eagle 2 Caliper

The extended pad length and off centre post design provides even wear for longer life. The angled tip diverts mud and rain away from rim. Power-Stop design.

Weight: Approx 56 g/pair

*T4KS291 Black*  
*T4KS290 Silver*  
*T4KS297 Dual compound*



## Continental

Kool Stop quality and performance at a basic price. Salmon compound works well with steel rims.

Weight:

Approx 40 g/pair

*T8KS120A Grey*

*T8KS121A Salmon*



## Campag 8+9 Speed Inserts

for pre 2000 brakes

Weight: Approx 10 g/pair

*R3KS360 Black*

*R3KS365 Salmon*

*R3KS366 Green/ceramic*

*R3KS367 Dual compound*

*R3KS368 Carbon rims*



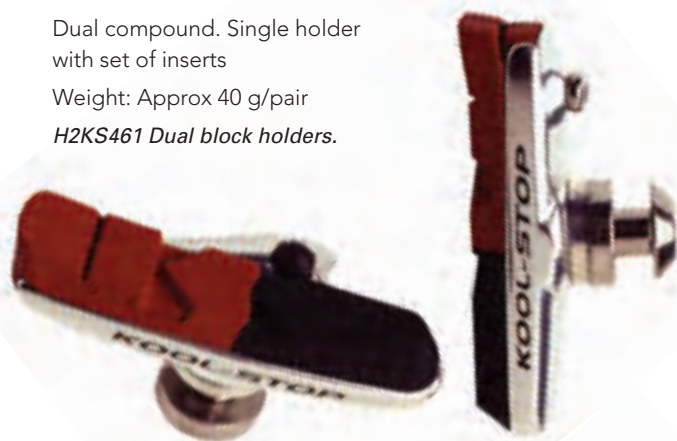
## Holders With Replacement Pads Plus Inserts

### Dura

Dual compound. Single holder with set of inserts

Weight: Approx 40 g/pair

*H2KS461 Dual block holders.*



### Tectonic Multi Compound

The Tectonic® brake pad system is a forged alloy holder that allows the rider to customize the exact positioning of the friction materials.

These inserts interlock together and are secured on all sides.

Weight: Approx 56 g/pair

*H4KS500 V type holder*



### Inserts for Tectonic

Weight: Approx 12 g/pair

*R6KS510 Black*

*R6KS515 Salmon*

*R6KS516 Green/ceramic*

*R6KS518 Carbon rims*

*R6KS519 Triple/multi*



### Campag

for Campagnolo brakes from 2000 onwards

Set with 2 holder and 2 pair replacement pads (dual-compound and salmon).

Weight: Approx 50 g/pair

*H3KS490 Campag block holders*

*incl 1 x dual compound,*

*1 x Salmon inserts*

*H3KS491 Campag block holders.*

*Dual compound*



### Campag 10 Speed Inserts

for 2000 onwards brakes

Weight: Approx 12 g/pair

*R5KS450 Black*

*R5KS455 Salmon*

*R5KS456 Green/ceramic*

*R5KS457 Dual compound*

*R5KS458 Carbon rims*





## H12-V2 Brake

Next generation V brake holder.  
Lighter than before in a lovely titanium colour.

Weight:

Approx 44 g/pair

*H12KS525 V2 Dual compound*

## H12 V2-B E-Bike Holder

Electric bike compound - rim friendly compounds specially formulated for the higher speeds of E-bikes.

Weight: Approx 44 g/pair

*H12KSVBH2E E-Bike compound*

## Inserts for E-Bike Holders

Supra 2 compound Grey

Weight: Approx 58 g/pair

*T3KSSUP2E*

Magura HS33 compound Grey

Weight: Approx 21 g/pair

*R9KSHS33E*

V2 type compound Grey

Weight: Approx 12 g/pair

*R16KSV2E*

## H7 Cross Holder

Light weight Dura type holder with dual compound replacement pad for Cycle cross.

Weight: Approx 39.6 g/pair

*H7KS560 Dual compound*

## Replacement Insert Pads

### V Type Inserts – Fits H5 and H12 Holders

Universal replacement pad for V brake systems.

Weight: Approx 10 g/pair

*R1KS190 Black*

*R1KS195 Salmon*

*R1KS196 Green/ceramic*

*R1KS197 Dual compound*

*R1KS199 Rigida Carbide*

### Dura 2 Inserts – Fits: Road Holder H2 & H11, Cross Holder H6 & H7

New improved dura inserts.

Weight: Approx 10.8 g/pair

*R7KS570 Black*

*R7KS575 Salmon*

*R7KS576 Green/ceramic*

*R7KS577 Dual compound*

*R7KS578 Carbon*

*R7KS579 Triple compound*

## Avid Type 1 Insert

Special pad for Avid brake systems.

Weight: Approx 10 g/pair

*R2KS480 Black*

*R2KS485 Salmon*

*R2KS486 Green/ceramic*

*R2KS487 Dual compound*

## Magura HS33

Replacement pads for various Magura brakes

Weight: Approx 21 g/pair

*R9KS590 Black*

*R9KS595 Salmon*

*R9KS596 Green/ceramic*

*R9KS599 Rigida Carbide*

## Vintage Replacement Pads

### Campagnolo Retro

Superior quality for the old Campagnolo Nuovo Record brake shoe.

Fits most old school brake shoe holders from the past.

Supplied two pairs per bag

Weight: Approx 16 g/pair

*R8KSCR Black*

*R8KSCRSA Salmon*

### Mafac Retro

Supplied two pairs per bag

Weight: Approx 14 g/pair

*R10KSMRB Black*

*R10KSMRSA Salmon*

### Philips/Raleigh Rod Brake Inserts

Replacement inserts for vintage Philips/Raleigh Rod brake shoe holders.

Exact fit! No trimming needed.

Weight: Approx 15 g/pair

*R13KSRODB Black*

*R13KSRODSA Salmon*

### Mafac Tandem Retro Inserts

Replacement inserts for vintage Mafac tandems.

Weight: Approx 13 g/pair

*R14KSMRTB Black*

*R14KSMRTSA Salmon*

### Weinmann 6 Dot Inserts

Replacement inserts for vintage Weinmann 6 Dot inserts

Weight: Approx 14 g/pair

*R18KSW6B Black 2 pairs*

*R18KSW6SA Salmon 2 pairs*

### Modolo Inserts

Replacement inserts for vintage The Modolo

Weight: Approx 14 g/pair

*R20KSMB Black 2 pairs*

*R20KSMSA Salmon 2 pairs*

# Disc Pads

## Kool Stop - A name you can brake on

Kool Stop disc pads are made with organic materials that are blended and bound together using a resin. The compounds include small amounts of metal to improve the braking formula but though this is a mined material the pads are largely organic. The term semi metallic can also be used. During testing Kool Stop found that their disc pads are Rotor Friendly and provide high performance braking throughout the life of the pad.

### Magura

**Louise** discs pre 2001

**Clara** discs pre 2000

Weight: Approx 14 g/pair  
*KSD100*

**Clara** 2001-2002,

**Louise** 2002-2006, **Louise FR**

Weight: Approx 17 g/pair  
*KSD110*

**Gustav** M discs pre 2006

Weight: Approx 30 g/pair  
*KSD120*

**Julie** 2001-2008

Weight: Approx 22 g/pair  
*KSD130*

**Marta/Marta SL**

discs pre 2008

Weight: Approx 15 g/pair  
*KSD140*

**Louise** 2007 onwards,

**Marta SL** 2009 onwards, **Julie HP**

Weight: Approx 20 g/pair  
*KSD150*

### Hayes

**HFX Mag Plus/HD, HFX**

**9Carbon/9XC/9HD, MX-1, HFX-9**

hydraulic & compatible with

Promax hydraulic & mechanical

Weight: Approx 22 g/pair  
*KSD200*

**MX-2, MX-3, MX-4, CX-5, Sole,**

**Promax DDSK-810**

Weight: Approx 13 g/pair  
*KSD220*

**El Camino**

Weight: Approx 18 g/pair  
*KSD230*

**Stoker Trail, Carbon, Gram**

Weight: Approx 20 g/pair  
*KSD250*

**Hayes Ryde** discs pre 2010, with

spring 2011 onwards

Approx 20 g/pair *KSD260*

### Avid

**Juicy 7 & 5, Carbon, Ultimate, Ball Bearing 7**

Weight: Approx 19 g/pair  
*KSD270*

**Ball Bearing 5 (BB5)**

Weight: Approx 15 g/pair  
*KSD280*

**Elixir, Sram XX**

Weight: Approx 20 g/pair  
*KSD296*

### Dia Tech

**Nifon, Aero, Falcon &**

**Dia Tech kinetic**

Weight: Approx 18 g/pair  
*KSD300*

### Formula

**Formula B4, Racing XC, Extreme FR/DH/**  
**B4Team/Pro/SL, Grimeca system 13**

Weight: Approx 22 g/pair  
*KSD310*

**Formula Oro series**

Weight: Approx 18 g/pair  
*KSD320*

**Formula Mega, The One, R1, RX & RO**

Weight: Approx 18 g/pair  
*KSD330*

### Hope / Giant

**Hope. 2 P, Giant MPH 200**

Weight: Approx 19 g/pair  
*KSD500*

**Hope. Mono Mini**

Weight: Approx 16 g/pair  
*KSD510*

**Hope. Mono 6Ti**

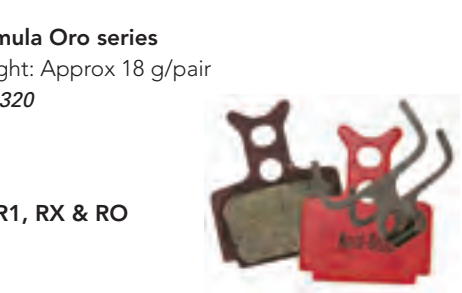
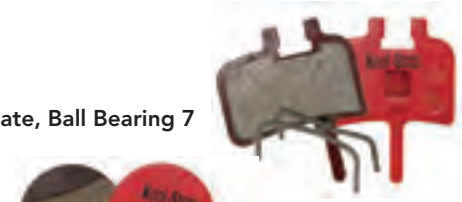
Weight: Approx 28 g/pair  
*KSD520*

**Hope. M4 (2 pairs for 1 caliper),**  
**Enduro & DH4**

Weight: Approx 26 g/pair  
*SD530*

**Hope XC4 (4 Piston, Cross Country)**

Approx 20 g/pair  
*KSD540*





**Hope Mini discs pre 2003**  
Weight: Approx 20 g/pair  
*KSD550*



**Hope Mono Trial**  
Weight: Approx 18 g/pair  
*KSD570*

**Giant MPH2 + 3 2001 onwards**  
Weight: Approx 18 g/pair  
*KSD560*



**Hope MotoV2, Tec V2**  
Weight: Approx 18 g/pair  
*KSD580*

## Shimano

**Shimano XT BR-M755, Sram 9.0, Cleg DH., Grimeca system 8, Hope Mono M4, Hope Tech M4**  
Weight: Approx 20 g/pair  
*KSD600*



**Shimano Deore BR-M555/M556, Nexave BR-C901**  
Weight: Approx 19 g/pair  
*KSD610*

**Shimano Deore. Mechanical BR-M515/BR-M475-M525**  
Weight: Approx 22 g/pair  
*KSD620*



**Shimano XTR MR-965/966/975, Deore XT BR-M765/755, Deore SLX BR-M665, Deore LX BR-M585/800/975, BR-T605/665, Deore BR-M535/595, Hone BR-M601, Saint BR-M800, Alfine S500, S501, Road R505. Compatible with Tektro TRP DASH carbon/DASH**  
*KSD630*

## Tektro, Pro Max, Suntour, Joy Tech

**Tektro IO hydraulic/mechanical**  
Weight: Approx 20 g/pair  
*KSD700*



**Tektro Lyra / IOX, Novela**  
Weight: Approx 15 g/pair  
*KSD710*

**Suntour DB700 hydraulic**  
Weight: Approx 22 g/pair  
*KSD730*



**Joy Tech mechanical**  
Approx 18 g/pair  
*KSD760*



## Sintered brake compound with copper plated steel back plate

Kool Stop sintered metal disc brake pads are designed to give your bike performance braking in extreme conditions, e.g. XC, downhill, trials and dual slalom riding. Their pads have a quick break in period so the rider gets the maximum performance during those demanding rides when stopping power, durability and long pad life are required. Sintered metal compounds have a higher resistance to brake fluid contamination and should not be used on ceramic rotors or in closed hydraulic systems.

**HFX Mag Plus/HD, HFX 9Carbon/9XC/9HD, MX-1, HFX-9 hydraulic & compatible with Promax hydraulic & mechanical**  
Weight: Approx 22 g/pair  
*KSD200S*



**Juicy 7 & 5, Carbon, Ultimate, Ball Bearing 7**  
Weight: Approx 20 g/pair  
*KSD270S*

**Formula Oro series**  
Weight: Approx 18 g/pair  
*KSD320S*



**Shimano XTR MR-965/966/975, Deore XT BR-M765/755, Deore SLX BR-M665, Deore LX BR-M585/800/975, BR-T605/665, Deore BR-M535/595, Hone BR-M601, Saint BR-M800, Alfine S500, S501, Road R505. Compatible with Tektro TRP DASH carbon/DASH**  
*KSD630S*





# Nantucket Bike Baskets

The inspiration behind the Nantucket Bike Baskets was a request for high quality durable yet beautiful baskets made from natural materials including wicker and rattan. With over thirty years experience in the basket market Nantucket were able to produce a wonderful range of high quality unique baskets within a short space of time. Each basket is crafted with passion and attention to detail and has been designed by the team at NBBC.

The baskets are woven by a team of skilled craftsmen to be aesthetically pleasing yet functional at the same time. All of the raw materials have been hand selected for strength and durability. Bicycle baskets are used on a daily basis and thus need to be woven in a tougher stronger method than decorative baskets. To enhance their durability Nantucket baskets have a rolled rim weave which ensures that the baskets will hold up to the demands of every day bicycle use. The rolled rims mean that you do not see a beginning or an end to the weave, thus allowing the rim to stay intact rather than unravelling which can happen with standard weaving only.

We have started with a small selection of baskets made by NBBC including some adult and children's models. Most of the baskets are designed with leather straps to attach to your handlebars and some have sturdy hooks instead.

## Cisco Collection

The Cisco Collection is made from the highest quality lacak rattan and is thickly woven. Rattan is undoubtedly the strongest and most durable natural fibre available. The Cisco range is classically designed and will give excellent service for many years to come. Maximum weight limit for the Cisco baskets is 13 lbs or 5.9 kg.

### Cisco Rattan Adult Oval Basket With Leather Straps

#### *NBB004AO Adult Oval Basket With Leather Straps*

A classically elegant oval basket with leather straps to fit onto your handlebars.

Dimensions: L x W x H : 14" x 11" x 9.5" or 35.5 x 28 x 23 cm

### Cisco Rattan Adult Rectangle Basket With Leather Straps

#### *NBB005AR Adult Rectangle Basket With Leather Straps*

A classic rectangular shaped basket with leather straps for the handlebars

Dimensions: L x W x H : 13" x 10.75" x 9.5" or 33 x 27 x 24 cm

### Cisco Rattan Adult Classic Basket With Leather Straps

#### *NBB006AC Adult Classic Basket With Leather Straps*

The classically tapered basket with leather straps for the handlebars

Dimensions: L x W x H : 11.5" x 9.5" x 9.5" or 33 x 27.5 x 24 cm

### Cisco Rattan Adult D Shape Basket With Leather Straps

#### *NBB005AD Adult D Shape Basket With Leather Straps*

D shaped basket which narrows to the base with leather straps for the handlebars

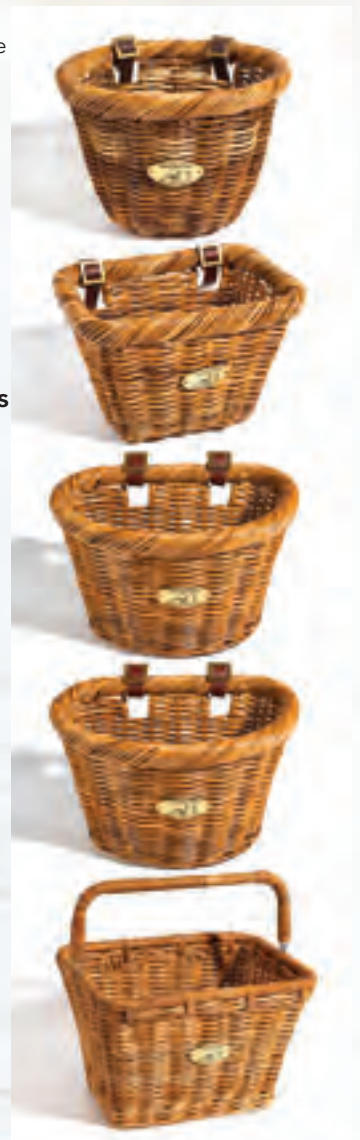
Dimensions: L x W x H : 14.5" x 10.5" x 9.5" or 37 x 26.5 x 24 cm

### Cisco Rattan Adult Rectangle Basket With Hooks

#### *NBB017RH Adult Rectangle Basket With Hooks*

Classic larger rectangle shape with metal hooks to hang from the handlebar.

Dimensions: L x W x H : 16" x 12" x 10.25" or 41 x 30.5 x 26 cm





## Tuckernuck Collection

The Tuckernuck Collection is made from the toughest kubu rattan that is available to create high quality durable baskets. With a rustic feel to this range the Tuckernucks will look great on modern as well as retro styled bicycles. Maximum weight limit for the Tuckernuck baskets is 13 lbs or 5.9 kg.

### Tuckernuck Rattan Adult Oval Basket With Leather Straps

#### *NBB001AO Adult Oval Basket With Leather Straps*

A classically elegant oval basket with leather straps to fit onto your handlebars.  
Dimensions: L x W x H : 14" x 11" x 9.5" or 35.5 x 28 x 23 cm

### Tuckernuck Rattan Adult Rectangle Basket With Leather Straps

#### *NBB002AR Adult Rectangle Basket With Leather Straps*

Classic rectangle basket with leather straps to fit onto your handlebars.  
Dimensions: L x W x H : 13" x 10.75" x 9.5" or 33 x 27.5 x 24 cm

### Tuckernuck Rattan Adult Basket Classic With Leather Straps

#### *NBB003AC Adult Classic Basket With Leather Straps*

Classic tapered basket with leather straps to fit onto your handlebars.  
Dimensions: L x W x H : 11.5" x 9.5" x 9.5" or 29 x 24 x 24 cm

### Tuckernuck Rattan Adult Large Rectangle Basket With Hooks

#### *NBB020RH Adult Large Rectangle Basket With Hooks*

Larger rectangle basket with hooks to fit onto your handlebars.  
Dimensions: L x W x H : 16" x 12" x 10.25" or 40.5 x 30 x 26 cm



## Cruiser Collection

The Cruiser Collection was designed with the classic cruiser bicycle in mind. These rattan baskets are highly functional and work well with many styles of cruiser and other bicycles. Perfect for a trip to the beach or the park!  
Maximum weight limit for the Cruiser baskets is 13 lbs or 5.9 kg.

### Cruiser Adult D Shape Basket With Straps

#### *NBB003ADW Adult D Shape Basket With Straps. White*

A durable, stylish rattan basket. The white weave will complement many bicycles.  
Dimensions: L x W x H : 14.5" x 10.5" x 9.5" or 36 x 26 x 24 cm



## Nantucket Children's Collection

We've put together a small but lovely range of children's rattan baskets with some lovely bright colours which are made from durable rattan with leather straps for the handlebar. Maximum weight limit for all the children's baskets is 8 lbs or 3.6 kg,

### Cisco Childs D Shape Basket With Leather Straps

#### *NBB005CD Cisco Childs D Shape Basket With Leather Straps*

With the same high quality lacak rattan as the adult model this children's basket is scaled to measure and will look very stylish in situ.  
Dimensions: L x W x H : 10" x 7.5" x 7.5" or 25.5 x 19 x 19 cm



## Gull & Buoy Collection

Add some fun to a child's bicycle with these brightly painted D Shape rattan baskets. Designed with sturdy leather straps to fit onto the handlebars.

### Gull & Buoy Child's Basket With Straps Pink

#### *NBB010CPK Child's Basket Pink*

A lovely bright Pink rattan child's basket with straps for the handlebar.  
Dimensions: L x W x H : 10" x 7.5" x 7.5" or 37 x 27 x 24 cm

### Gull & Buoy Child's Basket With Straps Royal Blue

#### *NBB013CRB Child's Basket Royal Blue*

A super Royal Blue rattan child's basket with straps for the handlebar.  
Dimensions: L x W x H : 10" x 7.5" x 7.5" or 37 x 27 x 24 cm

### Cruiser Child's Basket With Straps White

#### *NBB003CDW Child's Basket White*

A classic child's rattan basket with straps for the handlebar. White  
Dimensions: L x W x H : 10" x 7.5" x 7.5" or 25 x 19 x 19 cm



# AXA Locks

Axa frame locks are fitted to many bicycles ridden in Holland, but are less common in the UK. These practical locks are permanently fitted to your bike and will help prevent someone wheeling away your bike while you leave it for a short time. If you require more security then you can easily plug in an extender cable to lock the bike to something secure such as a lamp post.

The Axa frame locks supplied by Amba are tested to Sold Secure Silver standard. Sold Secure is the recognised lock testing facility in the UK; supplying data to commercial customers, the insurance industry, the Home Office, the Police and the public.

## Frame Locks & Accessories

### Defender RL

The Defender will mount to braze ons on the frame seat stays where available. Supplied with mounting brackets to fit seat stays. The Defender is compatible with all of the extender cables in our range. Two neat folding keys are included. Mounting brackets are available to mount to cantilever and V brake studs.

*LK37 Defender RL frame lock with fittings*

### Solid

The Solid mounts in the same way as the same way as the Defender but is not compatible with the plug in extender cables.

*LK43 Solid frame lock with fittings*

### RL80 Extender Cable

80cm length cable lock compatible with Defender RL lock

*LK38 Plug in cable lock for Defender RL*

### RLC100 Extender

100cm length high security chain link extender compatible with Defender RL lock

*LK39 Plug in chain link extender for Defender RL*

### RLD180 Plug In Cable

180 cm plug in cable for use with the Defender RL lock. Cable is 12mm diameter

*LK41 Plug in cable for Defender RL*

### RLD140 Plug In Cable

140 cm plug in cable with a 5.5mm shackle for use with the Defender RL lock

*LK40 Plug in cable for Defender RL*

### ATB Mounting Kit

ATB mounting kit for Defender RL and Solid locks supplied with spacers, washers, nuts and bolts

*LK44 ATB Mounting kit*



## Lights & Dynamos

With these Axa lights and dynamos we are able to offer good quality affordable lighting solutions with classic style.



**VINTAGE**



**CLASSIC**

### Vintage Retro LED Battery Light

A great light to fit onto your retro bike using current LED technology and 2 bright LEDs. Also incorporates an integrated reflector. The dim function uses only 50% of the capacity should your battery be running low. Easy to operate switch button. Supplied with 3 AA LR6 alkaline batteries with approx 50 hours run time.

*AXAVINTB Black*

*AXAVINTC Chrome plated*

### Classic LED Battery Light

Starter LED headlight with 4 lux light output. Styled to suit retro and classic bikes. Its easy to use because of the comfortable push button and easy battery change. Battery life up to fifty hours. 2 AAA alkaline batteries included. Available in black or chrome housing.

*AXACLASB Black*

*AXACLASC Chrome*

### Trio 8201 Dynamo

An excellent value for money left hand dynamo. The Trio has steel bearings and a stainless steel shaft and a metal roller. 6 Volt/3 Watt capacity. Complies with the German (StVZO) regulations

*DY3 Trio 8201 Dynamo*



### HT Traction Dynamo

A good quality highly efficient left hand dynamo with an integrated over voltage diode to prevent extreme current flow to your lights. 6 Volt/3 Watt.

Supplied with double bronze bearings and stainless steel shaft.

Complies with German (StVZO) regulations.

*DY4 HT Traction Dynamo*

### HR Traction Spare Rubber Rollers

Set of two spare rollers for the HT Traction dynamo.

*DY5 HR Traction Dynamo Spare Rubber Rollers*





Hebie has been manufacturing top quality bicycle accessories for over fifty years providing simple and elegant solutions that make day to day cycling that little bit easier. Only Hebie makes a bike complete!

## Chainglider

This unique product designed initially for hub geared cycles fits around the chain and sprockets requiring no fixing to the frame. The lightweight, low friction housing simply 'floats' on the drive chain. It creates very little noise during use. The chain will remain better lubricated all year round increasing the service life of your components as well as keeping clothing clean. The Chainglider requires no tools to remove if required. Due to the exact fitting of the system each model fits a specific range of ring and sprocket sizes.

*HBFCR38 For Rohloff. 38T ring, 15-17T sprocket*

*HBFCR42 For Rohloff. 42T ring, 15-17T sprocket*

*HBFC38 Floating guard for 38T ring, 18-22T sprocket*

*HBFC42 Floating guard for 42-44T ring, 19-20T sprocket*



## Chainglider Open

The success of the Chainglider has prompted the development of the new 'Open' model which fits to single ring derailleur bicycles.

*HB359-38 Open for 38T ring*

*HB359-42 Open for 42T ring*



## Triple Chainset Chainguards

Many bicycles within the UK have triple ring derailleur systems with no provision for a Chainguard. The solution is the 360 model for chainsets with a 42T large ring and the 368 model for 48T rings. Universal fittings are included.

*HB360 Full chainguard for triple chainsets up to 42T ring*

*HB368 Full chainguard for triple chainsets up to 48T ring*



## Aluminium Chainguards

An elegant chain guard made from a strip of polished aluminium attached to a bracket easily fitted behind the bottom bracket cup.

*HB392 Aluminum chain guard 42T*

*HB398 Aluminum chain guard 48T*





# Hebie Prop Stands

Hebie manufacture a quality range of prop stands to fit many bicycles including heavily laden touring bikes and many electric bicycles.

## Bipod Centre Stand

**0605:** Black steel

Load capacity 60kg

*HBP1 Bipod Centre Stand*



## Heavy Duty Adjustable Rear Stand

**0611:** Chain/seat stay fitting for 26" – 28" wheel

Load capacity 25kg

*HRS2 Heavy Duty Adjustable Rear Stand*



## Direct Fit KSDA 40mm Rear Stand

This adjustable stand will fit any 26" or 28" bike fitted with the KSA 40mm direct fitting bosses. Merida hybrids commonly use this fitting.

Load capacity 20kg

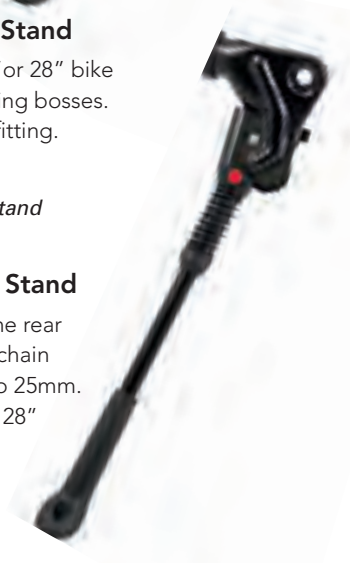
*HRS3 Direct Fit KSDA 40mm Rear Stand*

## Axle Fitting Rear Stand

**0616E NLE:** Fits to the rear axle on cycles with a chain stay diameter of up to 25mm. Adjustable for 26" to 28" wheel sizes.

Load capacity 25kg

*HRS4 Axle Fitting Rear Stand*



## Bipod Bigfoot Centre Stand

**0690C NLE:** Alloy/resin. Load capacity 60kg

*HBP2 Bipod Bigfoot Centre Stand*



## Bipod Touring Centre Stand

**690 NLE:** Alloy/resin. Load capacity 60kg

*HBP3 Bipod Touring Centre Stand*



## Axle Fitting Adjustable Rear Stand

**0618E NLE:** Fits to the rear axle on cycles with a chain stay diameter of up to 25mm. For fixed and Q/R hubs. Adjustable for 26" to 28" wheel sizes. Load capacity 25kg (Not pictured)

*HRS5 Axle Fitting Adjustable Rear Stand*

## Steering Stabiliser

The steering stabiliser is an ideal partner for the centre stands or cycles with a basket fitted as it greatly increases the stability when on the stand without affecting the handling of the bike.

*HBP4 Steering Stabiliser for bipods*

*HBP5 Steering Stabiliser for 696 model*

## Alloy Centre Stand

**636:** Adjustable. Load capacity 25kg

*HCS1 Alloy Centre Stand*



## Steel Centre Stand: 24" - 28" Wheel

**0630:** Steel for 24" – 28" wheel

Load capacity 40kg

*HCS2 Steel Centre Stand*

## Adjustable Rear Stand

**0671:** Chain/seat stay fitting. Load capacity 25kg

*HRS1 Adjustable Rear Stand*



# Amba Accessories

## Amba Stainless Bell

High quality stainless disc steel bell with a beautiful ring tone for the discerning cyclist.

*BELL27 Amba Bell*

## Brass Domed Bell

Brass domed bell with a matching brass pinger.

*BELL30 Brass Domed Bell*

## Ding Dong Chrome

Traditional twin dome bell with the satisfying 'ding dong' tone that gives it its name.

*BELL13 Ding Dong Bell 80mm Chrome*

*BELL14 Ding Dong Bell 80mm Black*

*BELL15 Ding Dong Bell 60mm Chrome*

*BELL15A Ding Dong Bell 60mm*

## Touring Mudflap

*MUD1 Fits with bendable metal strip*

## Touring Mudflap

*MUD2 Clips to mudguard stays*

## Sport Mudflap

*MUD3 Rivets to mudguard*

## Tyre Mate

This tool will aid those who have problems in fitting tyres to rims.

Used by experienced mechanics as well as the casual cyclist it can save you pinching the tube or breaking your tyre levers.

Invaluable for those with tight racing tyres.

*SMR25 Tyre Mate*





# Trimobil Bells



## Pepper Bells

BELL31R Pepper Bell. Red  
BELL31Y Pepper Bell. Yellow  
BELL31G Pepper Bell. Green  
BELL31R Pepper Bell. Red

## Taj Mahal Bell

BELL32



## Builder Bells

BELL34R Builder bell. Red  
BELL34Y Builder bell. Yellow



## Turtle Bell

BELL33



## Ladybird Bells

BELL35R Ladybird Bell. Red  
BELL35Y Ladybird Bell. Yellow  
BELL35G Ladybird Bell. Green



## Coffeepot Bells

BELL37



## Teapot Bell

BELL36





[www.amba-marketing.com](http://www.amba-marketing.com)

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